

# ThinkCentre E93z Platform Specifications

Product Specifications Reference (PSREF)

| Processor                               | Intel® Celeron®, Intel Pentium®, or 4th Generation Intel Core™ i3 / i5 / i7 Processors                                                                                                                                                                                                                                                                                                                                                                                    |                 |                      |       |              |                     | Keyboard                      | Some: Preferred Pro USB Keyboard (USB connector), Lenovo logo<br>Some: Lenovo Slim New F5 USB Keyboard (USB connector), black<br>Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black<br>Some: Enhanced Optical USB Mouse, black, Lenovo logo<br>Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
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|                                         | Processor                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Cores / Threads | Frequency (Base/Max) | Cache | Memory Types | Integrated Graphics | Mouse                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Celeron G1820                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 / 2           | 2.7 GHz              | 2 MB  | DDR3-1333    | Intel HD            |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Pentium G3220                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 / 2           | 3 GHz                | 3 MB  | DDR3-1333    | Intel HD            |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Pentium G3420                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 2 / 2           | 3.2 GHz              | 3 MB  | DDR3-1600    | Intel HD            |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Core i3-4130                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 / 4           | 3.4 GHz              | 3 MB  | DDR3-1600    | HD 4400             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Core i3-4150                                                                                                                                                                                                                                                                                                                                                                                                                                                              | 2 / 4           | 3.5 GHz              | 3 MB  | DDR3-1600    | HD 4400             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Core i5-4430S                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4 / 4           | 2.7 GHz / 3.2 GHz    | 6 MB  | DDR3-1600    | HD 4600             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Core i5-4440S                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4 / 4           | 2.8 GHz / 3.3 GHz    | 6 MB  | DDR3-1600    | HD 4600             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Core i5-4460S                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4 / 4           | 2.9 GHz / 3.4 GHz    | 6 MB  | DDR3-1600    | HD 4600             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Core i5-4570S                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4 / 4           | 2.9 GHz / 3.6 GHz    | 6 MB  | DDR3-1600    | HD 4600             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Core i5-4670S                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4 / 4           | 3.1 GHz / 3.8 GHz    | 6 MB  | DDR3-1600    | HD 4600             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         | Core i7-4770S                                                                                                                                                                                                                                                                                                                                                                                                                                                             | 4 / 8           | 3.1 GHz / 3.9 GHz    | 8 MB  | DDR3-1600    | HD 4600             |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Memory                                  | 16GB max, <b>PC3-12800 1600MHz DDR3*</b> , two 204-pin SODIMM sockets (notebook)<br>*System automatically clocks down for processors with 1333MHz memory controller                                                                                                                                                                                                                                                                                                       |                 |                      |       |              |                     | Mechanical                    | <ul style="list-style-type: none"><li>Business black color</li><li>Support VESA mount (100mm)</li></ul> <table><tr><th colspan="2">Dimensions (WxDxH) and Weight (Maximum)</th></tr><tr><td><i>Non-touch models</i></td><td>21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm; 14.55 lb (6.6 kg) in maximum configuration</td></tr><tr><td><i>Touch models</i></td><td>21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm; 16.31 lb (7.4 kg) in maximum configuration</td></tr><tr><th colspan="2">Optional Stand</th></tr><tr><td><i>With Frame Stand</i></td><td>Adjustable between 10° and 65° (Tilt)</td></tr><tr><td><i>With Monitor Stand</i></td><td>Adjustable between -5° and 45° (Tilt)</td></tr><tr><td><i>With UltraFlex Stand</i></td><td>Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°</td></tr></table>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  | Dimensions (WxDxH) and Weight (Maximum) |  | <i>Non-touch models</i> | 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm; 14.55 lb (6.6 kg) in maximum configuration | <i>Touch models</i> | 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm; 16.31 lb (7.4 kg) in maximum configuration | Optional Stand |  | <i>With Frame Stand</i> | Adjustable between 10° and 65° (Tilt) | <i>With Monitor Stand</i> | Adjustable between -5° and 45° (Tilt) | <i>With UltraFlex Stand</i> | Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90° |
| Dimensions (WxDxH) and Weight (Maximum) |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| <i>Non-touch models</i>                 | 21.02" X 1.91" X 15.20"; 534mm X 48.5mm X 386 mm; 14.55 lb (6.6 kg) in maximum configuration                                                                                                                                                                                                                                                                                                                                                                              |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| <i>Touch models</i>                     | 21.02" X 1.95" X 15.20"; 534mm X 49.6mm X 386 mm; 16.31 lb (7.4 kg) in maximum configuration                                                                                                                                                                                                                                                                                                                                                                              |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Optional Stand                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| <i>With Frame Stand</i>                 | Adjustable between 10° and 65° (Tilt)                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| <i>With Monitor Stand</i>               | Adjustable between -5° and 45° (Tilt)                                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| <i>With UltraFlex Stand</i>             | Tilt: 65° back, 0° forward; Lift: 110mm; Swivel: +/-90°                                                                                                                                                                                                                                                                                                                                                                                                                   |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Disk                                    | Some: SATA 3.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm<br>Some: 500GB (5400 rpm, 2.5" wide) or 1TB (5400 rpm, 2.5" wide) Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s<br>Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide                                                                                                                                                                                                           |                 |                      |       |              |                     | Power supply                  | Some: 150 watts, autosensing, 85% PSU<br>Some: 180 watts, autosensing, 92% PSU                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Optical                                 | Some: DVD, SATA 1.5Gb/s, 12.7mm high<br>Some: DVD burner, SATA 1.5Gb/s, 12.7mm high                                                                                                                                                                                                                                                                                                                                                                                       |                 |                      |       |              |                     | Limited warranty <sup>3</sup> | Some: <b>1-year</b> or <b>3-years, limited onsite service</b> / service upgrades available<br>For Lenovo service upgrade options, please go to S-TC sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Media reader                            | Optional 11-in-1 media card reader                                                                                                                                                                                                                                                                                                                                                                                                                                        |                 |                      |       |              |                     | Preload                       | Some: Windows® 7 Professional 64<br>Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8 Pro 64<br>Some: Windows 7 Professional 64 preinstalled through downgrade rights in Windows 8.1 Pro 64<br><b>Ready to install applications</b> (only some listed) <ul style="list-style-type: none"><li>Rescue and Recovery™</li><li>Password Manager</li></ul> <b>Preloaded applications</b> (only some listed) <ul style="list-style-type: none"><li>ThinkVantage® Product Recovery</li><li>ThinkVantage System Update</li><li>ThinkVantage Communication Utility</li><li>ThinkVantage Device Experience</li><li>ThinkVantage AutoLock</li><li>Desktop Power Manager</li><li>View Management Utility</li><li>Lenovo Cloud Storage by SugarSync</li><li>Lenovo Solution Center</li><li>Lenovo Message Center Plus</li><li>Norton™ Internet Security (30 days of virus definitions)</li><li>Adobe® Reader®</li><li>Skype™</li><li>Microsoft Office preloaded; purchase a product key to activate</li><li>Cyberlink PowerDVD (DVD±RW, DVD)</li><li>Cyberlink Power2Go (DVD±RW)</li><li>Cyberlink PowerProducer (DVD±RW)</li><li>Evernote</li><li>Lenovo Solutions for Small Business</li><li>Nitro Pro</li></ul> Some: Windows 8 64-bit<br>Some: Windows 8.1 64-bit<br>Some: Windows 8 Pro 64-bit<br>Some: Windows 8.1 Pro 64-bit<br><b>Web install applications</b> (only some listed) <ul style="list-style-type: none"><li>Password Manager</li></ul> <b>Preloaded applications</b> (only some listed) <ul style="list-style-type: none"><li>ThinkVantage System Update</li><li>ThinkVantage AutoLock</li><li>Desktop Power Manager</li><li>View Management Utility (for Windows 8 only)</li><li>Lenovo Cloud Storage by SugarSync (for Windows 8 only)</li><li>Lenovo Solution Center</li><li>Lenovo Support</li><li>Lenovo Companion</li><li>Norton Internet Security (30 days of virus definitions)</li><li>Skype™</li><li>Microsoft Office preloaded; purchase a product key to activate</li><li>Cyberlink PowerDVD (DVD±RW, DVD)</li><li>Cyberlink Power2Go (DVD±RW)</li><li>Cyberlink PowerProducer (DVD±RW)</li><li>Evernote®</li><li>Lenovo Solutions for Small Business</li><li>Nitro Pro</li><li>AccuWeather</li><li>Norton™ Studio</li><li>Pokki (for Windows 8.1 only)</li><li>Hightail (for Windows 8.1 only)</li></ul> |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Graphics                                | <b>Intel HD Graphics 4400/4600</b> in processor, uses main memory, DirectX® 11.1, external monitor support via HDMI, supports dual independent display;<br><i>Max resolution: 1920x1080 (panel)@60Hz; 1920x1080 (HDMI)@60Hz</i><br>Some: <b>NVIDIA GeForce® GT 720A</b> , PCI Express® x16, <b>1GB</b> memory, DirectX® 11, external monitor support via HDMI, supports dual independent display;<br><i>Max resolution: 1920x1080 (panel)@60Hz; 1920x1080 (HDMI)@60Hz</i> |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Display                                 | <b>21.5"</b> (546.1mm) <b>Full HD 1080p (1920x1080) TFT color</b> , wide viewing angle (+/- 85°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, infinity display, work as standalone monitor via HDMI-in connector                                                                                                                                                                                                                                   |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Light sensor                            | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Multi-touch                             | Optional Projected Capacitive Touch (PCT) technology, supports 10-point touch                                                                                                                                                                                                                                                                                                                                                                                             |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Camera                                  | Camera on top of screen, 2.0-megapixel, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off                                                                                                                                                                                                                                                                                                                            |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Controls                                | Monitor mode / computer mode button, volume up/down buttons, and power button                                                                                                                                                                                                                                                                                                                                                                                             |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Chipset                                 | <b>Intel B85 Chipset</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Rear ports                              | Four USB 2.0, ethernet (RJ-45), HDMI-out, HDMI-in                                                                                                                                                                                                                                                                                                                                                                                                                         |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Side ports                              | Two USB 3.0 (one Always On USB 3.0), one headphone / microphone combo jack (stereo, 3.5mm), one optional media card reader                                                                                                                                                                                                                                                                                                                                                |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| PCIe Mini Card                          | Two PCI Express® Mini Card slots                                                                                                                                                                                                                                                                                                                                                                                                                                          |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Audio support                           | High Definition (HD) Audio, Realtek ALC283CG / two stereo speakers (3W x 2), Dolby® Advanced Audio™ v2 certified, Microsoft Lync™ certified                                                                                                                                                                                                                                                                                                                               |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| WLAN <sup>13</sup>                      | Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino® Wireless-N 105, 1x1<br>Some: 11b/g/n, PCIe Half Mini Card, Intel Centrino Wireless-N 2230, Wi-Fi + Bluetooth combo adapter, 2x2<br>Some: 11b/g/n, PCIe Half Mini Card, Intel Wireless-N 7260, Wi-Fi/BT 4.0, 2x2<br>Some: 11ac/a/b/g/n, PCIe Half Mini Card, Intel Dual Band Wireless-AC 7260, Wi-Fi + BT combo adapter, 2x2                                                                                           |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Bluetooth™                              | Some: Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                                                                                                                                                                                                                                               |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Ethernet                                | One gigabit ethernet port, Intel I217-V, Wake on LAN®                                                                                                                                                                                                                                                                                                                                                                                                                     |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Manageability                           | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Security chip                           | None                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                 |                      |       |              |                     |                               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
| Security features                       | <ul style="list-style-type: none"><li>Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis)</li><li>Power-on and Administrator password</li></ul> <ul style="list-style-type: none"><li>Hard disk password</li><li>Boot sequence control</li><li>Boot without keyboard and mouse</li><li>Individual USB port disablement</li></ul>                                                                         |                 |                      |       |              |                     | Environment                   | ENERGY STAR® 6.0-compliant; EuP 2013; GREENGUARD®; RoHS-compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |
|                                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                 |                      |       |              |                     | Accessories                   | For compatible accessories, please go to TC-AQP sheet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |                                         |  |                         |                                                                                              |                     |                                                                                              |                |  |                         |                                       |                           |                                       |                             |                                                         |

See footnotes for more detailed information