

# The Best Workstation for Every Application

## CELSIUS Workstations



|                               | SUPERIOR                                                                                                                                                                     |                                                                                            | ADVANCED                                                                                                        |                                           |                                                                                                                                             | ALL-ROUND                                                      |                                                                                                                  | MOBILE                                                                                                            |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|-------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|
|                               | CELSIUS R670                                                                                                                                                                 | CELSIUS V840                                                                               | CELSIUS R570                                                                                                    | CELSIUS M470                              | CELSIUS W480                                                                                                                                | CELSIUS W380                                                   | CELSIUS W280                                                                                                     | CELSIUS H700                                                                                                      |
| Processor                     | Dual-Core Intel® Xeon®,<br>Quad-Core Intel® Xeon®                                                                                                                            | Dual-Core AMD Opteron™,<br>Quad-Core AMD Opteron™                                          | Dual-Core Intel® Xeon®,<br>Quad-Core Intel® Xeon®                                                               |                                           | Intel® Core™ i3,<br>Intel® Core™ i5,<br>Quad-Core Intel® Xeon®                                                                              | Intel® Core™ i3,<br>Intel® Core™ i5,<br>Quad-Core Intel® Xeon® | Intel® Core™ i3,<br>Intel® Core™ i5,<br>Intel® Core™ i7                                                          | Intel® Core™ i5,<br>Intel® Core™ i7                                                                               |
| Processors                    | 1 or 2                                                                                                                                                                       |                                                                                            |                                                                                                                 | 1                                         |                                                                                                                                             |                                                                |                                                                                                                  |                                                                                                                   |
| Chipset                       | Intel® 5520                                                                                                                                                                  | NVIDIA® nForce professional<br>(3600 and 3050)                                             | Intel® 5520                                                                                                     | Intel® X58 Express                        | Intel® 3450                                                                                                                                 | Intel® 3450                                                    | Intel® Q57                                                                                                       | Intel® QM57                                                                                                       |
| Memory                        | Max. 96 / 192* GB, DDR3-<br>SDRAM, ECC or non-ECC                                                                                                                            | Max. 64, DDR2-SDRAM,<br>ECC                                                                | Max. 48 / 96* GB, DDR3-<br>SDRAM, ECC or non-ECC                                                                | Max. 24 GB, DDR3-SDRAM,<br>ECC or non-ECC | Max. 16 GB, DDR3-SDRAM,<br>ECC or non-ECC                                                                                                   |                                                                | Max. 16 GB, DDR3-SDRAM,<br>non-ECC                                                                               | Max. 8 GB DDR3, dual-channel,<br>non ECC                                                                          |
| Hard disk drive               | Solid State Disk up to 256 GB;<br>SAS up to 600 GB, 15000 rpm;<br>SATA up to 300 GB, 10000 rpm;<br>Business critical SATA up to 2 TB, 7200 rpm;<br>SATA up to 1 TB, 7200 rpm |                                                                                            |                                                                                                                 |                                           | Solid State Disk up to 256 GB;<br>SATA up to 300 GB, 10000 rpm;<br>Business-critical SATA up to 2 TB, 7200 rpm;<br>SATA up to 1 TB, 7200rpm |                                                                | Solid State Disk up to<br>256 GB;<br>Business-critical SATA up to 2<br>TB, 7200 rpm;<br>SATA up to 1 TB, 7200rpm | 1st and 2nd HDD,<br>Solid State Disk up to 256 GB;<br>SATA up to 500 GB, 7200 rpm;<br>SATA up to 320 GB, 5400 rpm |
| Slots                         | 2 x PCIe Gen2 x16,<br>3 x PCIe Gen2 x4 (mech. x8),<br>1 x PCI (32-bit / 33 MHz)                                                                                              | 2 x PCIe x16,<br>2 x PCIe x8,<br>2 x PCI-X (64 bit / 133 MHz)<br>1 x PCI (32-bit / 33 MHz) | 2 x PCIe Gen2 x16,<br>1 x PCIe Gen1 x4 (mech. x8),<br>1 x PCIe Gen2 x4 (mech. x8),<br>2 x PCI (32-bit / 33 MHz) |                                           | 1 x PCIe Gen2 x16,<br>1 x PCIe x4 (mech. x16),<br>2 x PCIe x1,<br>3 x PCI (32-bit / 33 MHz)                                                 |                                                                | 1 x PCIe Gen2 x16,<br>1 x PCIe x4 (mech. x16),<br>2 x PCI (32-bit / 33 MHz)                                      | 1 x PC Card (Type I/II),<br>1 x ExpressCard™,<br>1 x SD / MS Pro,<br>1 x SmartCard                                |
| GPU computing card            | NVIDIA® Tesla C1060 (4 GB)                                                                                                                                                   |                                                                                            |                                                                                                                 |                                           | -                                                                                                                                           |                                                                |                                                                                                                  |                                                                                                                   |
| Ultra-high-end<br>3D graphics | NVIDIA® Quadro FX 5800 (4 GB)<br>NVIDIA® Quadro FX 4800 (1.5 GB)<br>NVIDIA® Quadro FX 4700x2 (2x 1 GB)                                                                       |                                                                                            | NVIDIA® Quadro FX 5800 (4 GB)<br>NVIDIA® Quadro FX 4800 (1.5 GB)                                                |                                           | NVIDIA® Quadro FX 4800<br>(1.5 GB)                                                                                                          | -                                                              |                                                                                                                  |                                                                                                                   |
| High-end 3D<br>graphics       | NVIDIA® Quadro FX 3800 (1024 MB)<br>ATI FirePro™ V7750 (1024 MB)                                                                                                             |                                                                                            |                                                                                                                 |                                           | -                                                                                                                                           |                                                                | NVIDIA® Quadro® FX 880M<br>(1024 MB)                                                                             |                                                                                                                   |
| Mid-range 3D<br>graphics      | NVIDIA® Quadro FX 1800 (768 MB)<br>NVIDIA® Quadro FX 580 (512 MB)<br>ATI FirePro™ V5700 (512 MB)                                                                             |                                                                                            |                                                                                                                 |                                           |                                                                                                                                             |                                                                | -                                                                                                                |                                                                                                                   |
| Entry 3D<br>graphics          | NVIDIA® Quadro FX 380 (256 MB)<br>ATI FirePro™ V3700 (256 MB)-                                                                                                               |                                                                                            |                                                                                                                 |                                           |                                                                                                                                             |                                                                | -                                                                                                                |                                                                                                                   |
| Professional 2D<br>graphics   | NVIDIA® Quadro NVS 290 (256 MB)<br>NVIDIA® Quadro NVS 295 (256 MB)                                                                                                           |                                                                                            |                                                                                                                 |                                           |                                                                                                                                             |                                                                | -                                                                                                                |                                                                                                                   |
| Multi-monitor<br>graphics     | NVIDIA® Quadro NVS 290 (256 MB)<br>NVIDIA® Quadro NVS 295 (256 MB)<br>NVIDIA® Quadro NVS 450 (512 MB)                                                                        |                                                                                            |                                                                                                                 |                                           |                                                                                                                                             |                                                                | -                                                                                                                |                                                                                                                   |
| Size (WxDxH)                  | 215 x 622 x 446 mm                                                                                                                                                           | 215 x 620 x 446 mm                                                                         | 215 x 522 x 446 mm                                                                                              |                                           | 203 x 426 x 442 mm                                                                                                                          |                                                                | 203 x 390 x 392 mm                                                                                               | 372 x 255 x 36 mm                                                                                                 |

# Lightning Speed Graphics

## CELSIUS Workstations



### SUPERIOR

**CELSIUS R670** - High-end dual Intel® Xeon® workstation  
**CELSIUS V840** - High-end dual AMD Opteron™ workstation

### ADVANCED

**CELSIUS R570** - Compact mid-range dual Intel® Xeon® workstation  
**CELSIUS M470** - High-end single Intel® Xeon® workstation  
**CELSIUS W480** - Mid-range single Intel® Core™ or Intel® Xeon® workstation

### ALL-ROUND

**CELSIUS W380** - Entry-level single Intel® Core™ or Intel® Xeon® workstation  
**CELSIUS W280** - Entry-level single Intel® Core™ workstation / high-end PC

### MOBILE

**CELSIUS H700** - Workstation-on-the-go with Intel® Core™ i5 and i7 processors

Do you need maintenance and service support?

➡ Link: <http://ts.fujitsu.com/servicepositioning>

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|                           |                         | APPLICATIONS                   |                                     |                                         |                                 |                 |                     |                          |                    |                    |                             |                             |               |                                  |              |                                           |
|---------------------------|-------------------------|--------------------------------|-------------------------------------|-----------------------------------------|---------------------------------|-----------------|---------------------|--------------------------|--------------------|--------------------|-----------------------------|-----------------------------|---------------|----------------------------------|--------------|-------------------------------------------|
|                           |                         | 2D/entry Computer Aided Design | 3D / high-end Computer Aided Design | Computer Aided Engineering / Simulation | Virtual Reality / Visualization | Post Processing | Electronical Design | Electronical Engineering | Financial Services | Financial Analyses | 2D Digital Content Creation | 3D Digital Content Creation | Life Sciences | Geographical Information Systems | Geo-Sciences | Architecture / Engineering / Construction |
|                           | CELSIUS H700            |                                | •                                   | •                                       | •                               | •               |                     | •                        |                    | •                  |                             | •                           | •             |                                  | •            |                                           |
|                           | CELSIUS W280            | •                              |                                     |                                         |                                 |                 |                     |                          | •                  |                    | •                           |                             |               | •                                |              | •                                         |
|                           | CELSIUS W380            | •                              |                                     |                                         |                                 |                 | •                   |                          | •                  |                    | •                           |                             |               |                                  |              |                                           |
|                           | CELSIUS W480            |                                | •                                   |                                         |                                 |                 | •                   |                          |                    |                    |                             |                             |               |                                  | •            |                                           |
|                           | CELSIUS M470            |                                | •                                   |                                         |                                 |                 | •                   |                          | •                  |                    | •                           | •                           | •             |                                  | •            |                                           |
|                           | CELSIUS R570            |                                | •                                   |                                         |                                 | •               |                     | •                        |                    | •                  |                             | •                           | •             |                                  |              |                                           |
|                           | CELSIUS V840            |                                |                                     | •                                       | •                               | •               |                     | •                        |                    |                    |                             |                             | •             |                                  | •            |                                           |
| CELSIUS R670              |                         |                                | •                                   | •                                       | •                               |                 |                     |                          |                    |                    |                             | •                           |               | •                                |              |                                           |
| RECOMMENDED GRAPHICS      | NVIDIA QUADRO FX 5800   |                                | •                                   |                                         | •                               |                 |                     |                          |                    |                    |                             | •                           |               |                                  | •            |                                           |
|                           | NVIDIA QUADRO FX 4700X2 |                                | •                                   |                                         | •                               |                 |                     |                          |                    |                    |                             | •                           |               |                                  | •            |                                           |
|                           | NVIDIA QUADRO FX 4800   |                                | •                                   | •                                       | •                               | •               |                     |                          |                    |                    |                             | •                           | •             |                                  |              |                                           |
|                           | ATI FIREPRO V7750       |                                | •                                   | •                                       | •                               | •               |                     |                          |                    |                    |                             | •                           | •             |                                  |              |                                           |
|                           | NVIDIA QUADRO FX 3800   |                                | •                                   | •                                       | •                               | •               |                     |                          |                    |                    |                             | •                           | •             |                                  |              |                                           |
|                           | NVIDIA QUADRO FX 1800   |                                | •                                   |                                         |                                 | •               |                     |                          |                    |                    |                             |                             | •             |                                  |              | •                                         |
|                           | ATI FIREPRO V5700       | •                              | •                                   |                                         |                                 | •               | •                   | •                        |                    |                    |                             |                             | •             |                                  |              | •                                         |
|                           | NVIDIA QUADRO FX 580    | •                              |                                     |                                         |                                 |                 | •                   | •                        |                    | •                  |                             |                             |               | •                                |              |                                           |
|                           | ATI FIREPRO V3700       | •                              |                                     |                                         |                                 |                 | •                   | •                        |                    | •                  | •                           |                             |               | •                                |              |                                           |
|                           | NVIDIA QUADRO FX 380    | •                              |                                     |                                         |                                 |                 | •                   | •                        |                    | •                  | •                           |                             |               | •                                |              |                                           |
|                           | NVIDIA QUADRO NVS 290   |                                |                                     |                                         | •                               |                 |                     |                          |                    | •                  | •                           | •                           |               | •                                |              |                                           |
|                           | NVIDIA QUADRO NVS 295   |                                |                                     |                                         | •                               |                 |                     |                          |                    | •                  | •                           | •                           |               | •                                |              |                                           |
| NVIDIA QUADRO NVS 450     |                         |                                |                                     |                                         |                                 |                 |                     |                          | •                  |                    |                             |                             | •             |                                  |              |                                           |
| RECOMMENDED CONFIGURATION | HIGH-END PROCESSOR      | •                              | •                                   | •                                       | •                               | •               | •                   | •                        |                    | •                  |                             | •                           | •             |                                  | •            |                                           |
|                           | MID-RANGE PROCESSOR     |                                |                                     |                                         |                                 |                 |                     |                          | •                  |                    | •                           |                             |               | •                                |              | •                                         |
|                           | HDD SAS                 |                                |                                     | •                                       | •                               | •               |                     |                          |                    |                    |                             | •                           | •             |                                  | •            |                                           |
|                           | HDD SATA                | •                              | •                                   |                                         |                                 |                 | •                   | •                        | •                  | •                  | •                           |                             |               | •                                |              | •                                         |
|                           | MEMORY [GB]             | 8                              | 24                                  | 48                                      | 24                              | 24              | 16                  | 48                       | 8                  | 12                 | 8                           | 16                          | 24            | 8                                | 96           | 8                                         |

