

# DATASHEET

## FUJITSU ESPRIMO E5730 E-STAR 5.0 DESKTOP PC

### YOUR DESKTOP WITHOUT COMPROMISES

#### ESPRIMO E5730 E-STAR 5.0

As a small form factor PC the ESPRIMO E5730 E-Star5 is the ideal choice for your desk. Depending on the space you have available, you can position the PC vertically or horizontally - without an additional base. Equipped with Intel® chipset and processor technology the high performance levels of this efficient and quiet PC meet the requirements of your daily business applications. Furthermore, this device is equipped with an efficient power supply (up to 87%) that already meets today's ENERGY STAR® 5.0 criteria. Thus you achieve a considerably better energy balance, protecting both the environment and your budget.



#### SMALL FORM FACTOR PC

Flexible desktop solution whatever the space required.

- Less than 13 litres volume, can be positioned vertically and horizontally

#### ENERGY STAR® 5.0

Low power consumption and low costs, without any loss in performance.

- Power supply with up to 87% efficiency and enhanced power management settings

#### ENVIRONMENTALLY COMPATIBLE PRODUCT

Your contribution to environmental protection for the continued existence of our planet

- Halogen-free mainboard, sophisticated product concept for the entire lifecycle



#### SILENT OPERATION

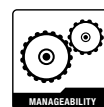
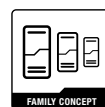
Pleasant working environment due to an extremely quiet system

- Innovative hardware design, optimized cooling concept

#### SERVICEABILITY

Easy to extend and optimal user-friendliness without any additional tools

- Easy access to all replaceable and expandable components



# COMPONENTS

## PROCESSOR

Intel® Core™2 Quad processor Q9650 (4C/4T, 3.0 GHz, 12 MB, 1333 MHz)  
Intel® Core™2 Quad processor Q9550 (4C/4T, 2.83 GHz, 12 MB, 1333 MHz)  
Intel® Core™2 Quad processor Q9505 (4C/4T, 2.83 GHz, 6 MB, 1333 MHz)  
Intel® Core™2 Quad processor Q9400 (4C/4T, 2.66 GHz, 6 MB, 1333 MHz)  
Intel® Core™2 Quad processor Q8300 (4C/4T, 2.5 GHz, 4 MB, 1333 MHz)  
Intel® Core™2 Duo processor E8600 (2C/2T, 3.33 GHz, 6 MB, 1333 MHz)  
Intel® Core™2 Duo processor E8500 (2C/2T, 3.16 GHz, 6 MB, 1333 MHz)  
Intel® Core™2 Duo processor E8400 (2C/2T, 3.0 GHz, 6 MB, 1333 MHz)  
Intel® Core™2 Duo processor E7600 (2C/2T, 3.06 GHz, 3 MB, 1066 MHz)  
Intel® Core™2 Duo processor E7500 (2C/2T, 2.93 GHz, 3 MB, 1066 MHz)  
Intel® Pentium® processor E6300 (2C/2T, 2.8 GHz, 2 MB, 1066 MHz)  
Intel® Pentium® processor E5400 (2C/2T, 2.7 GHz, 2 MB, 800 MHz)  
Intel® Pentium® processor E5300 (2C/2T, 2.6 GHz, 2 MB, 800 MHz)  
Intel® Celeron® processor E3200 (2C/2T, 2.4 GHz, 1 MB, 800 MHz)

## MEMORY MODULES

4 GB (1 module(s) 4 GB) DDR2, 800 MHz, PC2-6400  
2 GB (2 module(s) 1 GB) DDR2, 800 MHz, PC2-6400  
2 GB (1 module(s) 2 GB) DDR2, 800 MHz, PC2-6400  
1 GB (1 module(s) 1 GB) DDR2, 800 MHz, PC2-6400

## HARD DISK DRIVES (INTERNAL)

SSD SATA, 128 GB, 2.5-inch  
SATA II, 7200 rpm, 1000 GB, 3.5-inch, S.M.A.R.T.  
SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T. business critical  
SATA II, 7200 rpm, 500 GB, 3.5-inch, S.M.A.R.T.  
SATA II, 7200 rpm, 320 GB, 3.5-inch, S.M.A.R.T.  
SATA II, 7200 rpm, 250 GB, 3.5-inch, S.M.A.R.T.  
SATA II, 7200 rpm, 160 GB, 3.5-inch, S.M.A.R.T.  
SATA II, 7200 rpm, 160 GB, 2.5-inch, S.M.A.R.T.  
CF module IDE, 512 MB, empty  
CF module IDE, 4 GB, empty  
CF module IDE, 1 GB, empty

## Hard disk notes

Supporting NCQ and 3 GBit  
CF Modules for thin client usage (with or without embedded software)

## GRAPHICS ADD ON CARDS (OPTIONAL)

Dual DVI Adapter  
DVI Adapter  
NVIDIA® Geforce® 9300GE display port low profile, 512 MB  
NVIDIA® Geforce® 9300GE low profile, 256 MB  
NVIDIA® Geforce® 9300GE low profile, 512 MB  
NVIDIA® Geforce® 9500GS low profile, 512 MB  
NVIDIA® Quadro NVS 290 low profile, 256 MB

## MODULAR BAY OPTIONS

1.44 MB Floppy  
Blu-ray Disc Triple Writer  
DVD-ROM  
DVD Super Multi  
MultiCard Reader 20in1, 3,5-Inch

## INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)

Parallel Interface  
FireWire PCI-Card IEEE1394  
eSATA Interface  
Dual serial card PCI LP

|                                      |                                                                                                                                                            |
|--------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Base unit</b>                     | ESPRIMO E5730 E-Star5                                                                                                                                      |
| <b>MAINBOARD</b>                     |                                                                                                                                                            |
| <b>Mainboard type</b>                | D2824                                                                                                                                                      |
| <b>Formfactor</b>                    | proprietary                                                                                                                                                |
| <b>Chipset</b>                       | Intel® Q43                                                                                                                                                 |
| <b>Processor socket</b>              | LGA 775                                                                                                                                                    |
| <b>Processor quantity maximum</b>    | 1                                                                                                                                                          |
| <b>System bus (FSB / HT / QPI)</b>   | up to 1333 MHz                                                                                                                                             |
| <b>Memory slots</b>                  | 4 DIMM (DDR2)                                                                                                                                              |
| <b>Supported capacity RAM (max.)</b> | 16 GB                                                                                                                                                      |
| <b>Memory frequency</b>              | 800 MHz                                                                                                                                                    |
| <b>Memory notes</b>                  | With future modules.<br>Dual channel support.<br>For dual channel performance, identical memory modules in each channel are necessary (minimum 2 modules). |
| <b>LAN</b>                           | 10/100/1000 MBit/s Intel® 82567 LF                                                                                                                         |
| <b>BIOS version</b>                  | Phoenix 6.0                                                                                                                                                |
| <b>BIOS features</b>                 | BIOS Flash EPROM update by software<br>Recovery BIOS                                                                                                       |
| <b>Audio codec</b>                   | Realtek ALC663                                                                                                                                             |
| <b>Audio features</b>                | Internal speaker supports audio playback, High Definition audio                                                                                            |
| <b>I/O CONTROLLER ON BOARD</b>       |                                                                                                                                                            |
| <b>Serial ATA total</b>              | 4                                                                                                                                                          |
| <b>thereof eSATA</b>                 | 1 (optional)                                                                                                                                               |
| <b>Controller functions</b>          | Serial ATA II<br>NCQ and 3 GBit<br>AHCI                                                                                                                    |
| <b>INTERFACES</b>                    |                                                                                                                                                            |
| <b>Audio: line-in</b>                | 1                                                                                                                                                          |
| <b>Audio: line-out</b>               | 1                                                                                                                                                          |
| <b>DVI</b>                           | optional                                                                                                                                                   |
| <b>Ethernet (RJ-45)</b>              | 1                                                                                                                                                          |
| <b>Front audio: headphone</b>        | 1                                                                                                                                                          |
| <b>Front audio: microphone</b>       | 1                                                                                                                                                          |
| <b>Mouse / Keyboard (PS/2)</b>       | 2                                                                                                                                                          |
| <b>Parallel</b>                      | optional (25pin with EPP and ECP)                                                                                                                          |
| <b>Serial (RS-232)</b>               | 2 (9pin, 16 byte FIFO, 16550 compatible)                                                                                                                   |
| <b>USB front</b>                     | 2                                                                                                                                                          |
| <b>USB internal</b>                  | 4                                                                                                                                                          |
| <b>USB rear</b>                      | 6                                                                                                                                                          |
| <b>USB 2.0 total</b>                 | 12                                                                                                                                                         |
| <b>VGA</b>                           | 1                                                                                                                                                          |
| <b>INPUT DEVICE / COMPONENTS</b>     |                                                                                                                                                            |
|                                      | Optical USB tilt wheel mouse<br>Optional: Optical USB/PS2 tilt wheel mouse                                                                                 |
| <b>DRIVE BAYS</b>                    |                                                                                                                                                            |
| <b>Drive bays total</b>              | 3                                                                                                                                                          |
| <b>3.5-inch internal bays</b>        | 1                                                                                                                                                          |
| <b>3.5-inch external bays</b>        | 1                                                                                                                                                          |
| <b>5.25-inch external bays</b>       | 1                                                                                                                                                          |
| <b>Drive bay notes</b>               | optional external bay as internal 3,5"                                                                                                                     |
| <b>SLOTS</b>                         |                                                                                                                                                            |
| <b>PCI-Express Gen2 x16</b>          | 1 x (210 mm) low profile                                                                                                                                   |
| <b>PCI-Express x4 (mech. x8)</b>     | 1 x (210 mm) low profile                                                                                                                                   |
| <b>PCI (32-bit / 33 MHz)</b>         | 2 x (190 mm) low profile                                                                                                                                   |

|                                                               |                                                                                                                                                                                                                                |
|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>SLOTS</b>                                                  |                                                                                                                                                                                                                                |
| Slots optional configuration                                  | or 1x PCI Express x16 low profile (190mm) and via Riser 2 x PCI full height (174 / 210 mm)                                                                                                                                     |
| <b>GRAPHICS ON BOARD</b>                                      |                                                                                                                                                                                                                                |
| Graphics brand name                                           | Intel® GMA 4500                                                                                                                                                                                                                |
| Shared video memory                                           | up to 256 MB                                                                                                                                                                                                                   |
| Refresh rate 1024 x 768 (recommended / max.)                  | 85 Hz / -                                                                                                                                                                                                                      |
| Refresh rate 1280 x 1024 (recommended / max.)                 | 85 Hz / -                                                                                                                                                                                                                      |
| Refresh rate 1600 x 1200 (recommended / max.)                 | 85 Hz / -                                                                                                                                                                                                                      |
| TFT resolution (VGA)                                          | 1360 x 768 pixel<br>1440 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1200 pixel                                                                                                                                                 |
| TFT resolution (DVI)                                          | 1360 x 768 pixel<br>1440 x 900 pixel<br>1680 x 1050 pixel<br>1920 x 1200 pixel                                                                                                                                                 |
| Graphics features                                             | DirectX 10                                                                                                                                                                                                                     |
| Graphics notes                                                | Tested resolutions, depending on display type additional resolutions and frequencies possible<br>Shared memory depending on main memory size<br>Resolution (color depth up to 32 Bit/pixel)<br>For TFT we recommend using 60Hz |
| <b>ELECTRICAL VALUES</b>                                      |                                                                                                                                                                                                                                |
| Power efficiency note                                         | power supply efficiency (at 230V; 20% / 50% / 100% load) : 84% / 87% / 85%)<br>0-Watt mode with hard-off switch                                                                                                                |
| Rated voltage range                                           | 100 - 240 V                                                                                                                                                                                                                    |
| Rated frequency range                                         | 50 - 60 Hz                                                                                                                                                                                                                     |
| Operating voltage range                                       | 90 - 264 V                                                                                                                                                                                                                     |
| Operating line frequency range                                | 47 - 63 Hz                                                                                                                                                                                                                     |
| Max. output of power supply                                   | 250 W                                                                                                                                                                                                                          |
| Power factor correction/active power                          | active                                                                                                                                                                                                                         |
| Monitor outlet                                                | No                                                                                                                                                                                                                             |
| <b>POWER CONSUMPTION</b>                                      |                                                                                                                                                                                                                                |
| Power consumption note                                        | see white paper Energy Consumption                                                                                                                                                                                             |
| Link to Energy White Paper                                    | <a href="http://docs.ts.fujitsu.com/dl.aspx?id=4f300628-7547-44b6-ac82-172ebae232c1">http://docs.ts.fujitsu.com/dl.aspx?id=4f300628-7547-44b6-ac82-172ebae232c1</a>                                                            |
| <b>HEAT DISSIPATION</b>                                       |                                                                                                                                                                                                                                |
| Heat dissipation notes                                        | see white paper Energy Consumption                                                                                                                                                                                             |
| <b>NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)</b>       |                                                                                                                                                                                                                                |
| Noise emission                                                | According to ISO9296                                                                                                                                                                                                           |
| Related Processors for noise                                  | Intel® Core™2 Duo E8600                                                                                                                                                                                                        |
| Noise Operation mode 1: ODD load (Blue angel requirement)     | 4.5 B / 30 dB(A)                                                                                                                                                                                                               |
| Noise Operation mode 2: HDD load (Blue angel requirement)     | 3.5 B / 18 dB(A)                                                                                                                                                                                                               |
| Noise Operation mode 3: CPU 90% load (Blue angel requirement) | 3.5 B / 19 dB(A)                                                                                                                                                                                                               |
| Noise Operation mode 4: High load                             | 3.5 B / 19 dB(A)                                                                                                                                                                                                               |
| Noise Operation mode 5: Office applications                   | 3.5 B / 19 dB(A)                                                                                                                                                                                                               |
| Idle mode (Blue Angel requirement)                            | 3.5 B / 18 dB(A)                                                                                                                                                                                                               |
| Noise notes / description                                     | A weighted sound power level L <sub>wad</sub> (in B) / workplace related A-weighted sound pressure level L <sub>pAm</sub> (in dB(A)), Bystander position                                                                       |
| <b>DIMENSIONS / WEIGHT / ENVIRONMENTAL</b>                    |                                                                                                                                                                                                                                |
| Dimensions (W x D x H)                                        | 340 x 380 x 100 mm                                                                                                                                                                                                             |

## DIMENSIONS / WEIGHT / ENVIRONMENTAL

|                               |                                                   |
|-------------------------------|---------------------------------------------------|
| Operating position            | Vertical / horizontal (no feet needed)            |
| Weight                        | approx. 10 kg                                     |
| Weight notes                  | Actual weight may vary depending on configuration |
| Operating ambient temperature | 15 - 35°C                                         |

## COMPLIANCE

|                 |                                                                                                                                                                                               |
|-----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product         | ESPRIMO E5730                                                                                                                                                                                 |
| Model           | DT7-2824                                                                                                                                                                                      |
| Germany         | Blauer Engel / Blue Angel in progress<br>GS optional                                                                                                                                          |
| Europe          | CE<br>Nordic Swan                                                                                                                                                                             |
| USA/Canada      | FCC Class B<br>UL<br>cCSAus                                                                                                                                                                   |
| Global          | RoHS (Restriction of hazardous substances)<br>WEEE (Waste electrical and electronical equipment)<br>Microsoft Operating Systems (HCT / HCL entry / WHQL)<br>ENERGY STAR® 5.0<br>EPEAT® Silver |
| Compliance link | <a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>                                                             |

## OPERATING SYSTEM

|                                        |                                                                                                                                                                                                                                                                                                            |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Operating system optional preinstalled | Microsoft® Windows® 7 Home Premium<br>Microsoft® Windows® 7 Professional<br>Microsoft® Windows Vista® Home Basic<br>Microsoft® Windows Vista® Home Premium<br>Microsoft® Windows Vista® Business 32-bit<br>Microsoft® Windows Vista® Business 64-bit<br>TwinLoad Microsoft® Windows® XP Professional (DVD) |
| Operating system compatible            | Linux                                                                                                                                                                                                                                                                                                      |
| Operating system notes                 | All Windows Vista® and Windows® 7 versions are Office 2007 ready.                                                                                                                                                                                                                                          |

## ADDITIONAL SOFTWARE

|                                    |                                                                                                                                                            |
|------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Additional software (preinstalled) | Nero Essentials S (burning software)                                                                                                                       |
| Additional software (optional)     | Recovery DVD for Windows®<br>Drivers & Utilities DVD (DUDVD)<br>CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive) |

## COMPATIBILITY (REFERENCES)

DMI 2.0  
PC 2001  
WMI 1.5  
USB 2.0

## MANAGEABILITY

|                        |                                                                                                                                                                                                                                                                                                                          |
|------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Manageability features | ASF 2.0 (Alert Standard Format)<br>DeskUpdate Driver management<br>DeskView Migrate (optional)<br>DeskView Control (optional)<br>PXE 2.1 Boot code<br>BootP Boot Code including Bootmanage Administrator Software (tested)<br>Wake up from S5 (off mode)<br>Intrusion switch (optional)<br>Intel® Standard Manageability |
| Manageability type     | DeskView 10.x client management including:                                                                                                                                                                                                                                                                               |

## MANAGEABILITY

|                          |                                                                                                                                                                                                                                                                                        |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>DeskView features</b> | On/Offline remote client management<br>Detailed system inventory management and reports<br>BIOS Management<br>Remote power management<br>System notifications<br>Advanced alerts (ASF implementation)<br>Security Remote Control<br>DeskView Helpdesk Integration<br>WoL (Wake on LAN) |
|--------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                           |                                                                                                                                                                      |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Manageability link</b> | <a href="http://ts.fujitsu.com/manageability">http://ts.fujitsu.com/manageability</a><br><a href="http://www.altiris.com/fujitsu">http://www.altiris.com/fujitsu</a> |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SECURITY

|                          |                                                                                 |
|--------------------------|---------------------------------------------------------------------------------|
| <b>Physical security</b> | Kensington Lock support<br>Eye for padlock<br>Optional: Integrated cabinet lock |
|--------------------------|---------------------------------------------------------------------------------|

|                        |                                                                                                                                                                                                                                                                                                                      |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>System security</b> | Boot sector virus protection<br>Write protect option for the Flash EPROM<br>Embedded security (TPM 1.2)<br>Control of all USB interfaces<br>External USB ports can be disabled separately<br>Boot protection for floppy disk / CD drive and write protection for floppy disk drive<br>Control of external interfaces |
|------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

|                      |                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>User security</b> | User and supervisor BIOS password<br>SystemLock 2 BIOS SmartCard Security<br>Hard disk password<br>Optional: Access protection via external SmartCard reader<br>Optional: Access protection via internal SmartCard reader |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

## SERVICEABILITY

FlexySlot  
EasyFix  
EasyChange for HDD  
EasyChange for optical drives

## PACKAGING INFORMATION

|                                       |                                                                 |
|---------------------------------------|-----------------------------------------------------------------|
| <b>Packaging dimension</b>            | 500x290x540 mm                                                  |
| <b>Max. quantity / pallet</b>         | 24                                                              |
| <b>Material - Weight (g) Carton</b>   | 1270 g                                                          |
| <b>Material - Weight (g) EPS / PS</b> | 230 g                                                           |
| <b>Material - Weight (g) PE</b>       | appr. 60 g                                                      |
| <b>Packaging notes</b>                | printed user documentation is bleached in chlorine free process |

## WARRANTY

### MAINTENANCE AND SUPPORT SERVICES - THE PERFECT EXTENSION

|                                 |                                                                                         |
|---------------------------------|-----------------------------------------------------------------------------------------|
| <b>Recommended Service</b>      | 5x9, Response Time: Next Business Day                                                   |
| <b>Spare Parts availability</b> | 5 years                                                                                 |
| <b>Service Weblink</b>          | <a href="http://ts.fujitsu.com/Supportservice">http://ts.fujitsu.com/Supportservice</a> |

#### FUJITSU PLATFORM SOLUTIONS

In addition to Fujitsu ESPRIMO E5730 E-Star 5.0, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

#### Dynamic Infrastructures

With the Fujitsu Dynamic Infrastructures approach, Fujitsu offers a full portfolio of IT products, solutions and services, ranging from clients to datacenter solutions, Managed Infrastructure and Infrastructure-as-a-Service. How much you benefit from Fujitsu technologies and services depends on the level of cooperation you choose. This takes IT flexibility and efficiency to the next level.

#### Computing Products

[www.fujitsu.com/global/services/computing/](http://www.fujitsu.com/global/services/computing/)

#### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

#### MORE INFORMATION

Learn more about Fujitsu ESPRIMO E5730 E-Star 5.0, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website.  
<http://ts.fujitsu.com/ESPRIMO>

#### FUJITSU GREEN POLICY INNOVATION

Fujitsu Green Policy Innovation is our worldwide project for reducing burdens on the environment. Using our global know-how, we aim to resolve issues of environmental energy efficiency through IT. Please find further information at <http://www.fujitsu.com/global/about/environment/>



#### COPYRIGHTS

All rights reserved, including intellectual property rights. Changes to technical data reserved. Delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded.

Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner. For further information see [http://ts.fujitsu.com/terms\\_of\\_use.html](http://ts.fujitsu.com/terms_of_use.html)  
Copyright © Fujitsu Technology Solutions

#### DISCLAIMER

Technical data are subject to modification and delivery subject to availability. Any liability that the data and illustrations are complete, actual or correct is excluded. Designations may be trademarks and/or copyrights of the respective manufacturer, the use of which by third parties for their own purposes may infringe the rights of such owner

---

#### CONTACT

FUJITSU Technology Solutions  
Website: <http://ts.fujitsu.com>  
2009-12-23 CE-EN

---