

# DATASHEET

## FUJITSU ESPRIMO C5731 E-STAR 5.0 DESKTOP PC

THE ULTRA SMALL PROFESSIONAL PC

### ESPRIMO C5731 E-STAR 5.0

The ESPRIMO C Ultra small form factor PC: Enjoy maximum desktop performance and benefit from the compact design for those offices with limited space. Comfortable working - ergonomic, quiet and reliable. The sophisticated design of the ESPRIMO C provides simple and secure administration and, as a result of our made4you concept, can be easily adapted to specific customer requirements. Environmental compatibility was considered and optimized as early as the product development phase, which is why the ESPRIMO C today already meets the environmental protection requirements of tomorrow, for example ENERGY STAR® 5.0.



### COMPACT DESIGN

Fully fledged PC for office environments that requires a minimum of space and can be installed both in a horizontal and vertical position.

- Ultra small form factor PC, power supply, legacy interfaces and powered serial ports integrated with a volume of only 6.9 liters

### COMPACT BUT EXPANDABLE

Optimal expandability despite low volume.

- Up to 500 GB hard drive and PCI Low Profile Slot

### ENERGY SAVING

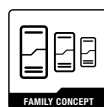
Reduced power costs and consumption without any loss in performance.

- Energy-saving processor technology and 87% efficiency power supply

### FAMILY CONCEPT

Reduced test and evaluation costs for the existing PC infrastructure.

- Uniform technology platform and bitimage for the 5730 and 5731 series from Fujitsu



# COMPONENTS

<b>PROCESSOR</b>	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® Celeron® processor E3200 (2C/2T, 2.4 GHz, 1 MB, 800 MHz)
<b>MEMORY MODULES</b>	1 GB (1 module(s) 1 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM 2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM 4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1066 MHz, PC3-8500, DIMM
<b>HARD DISK DRIVES (INTERNAL)</b>	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. 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 CF module IDE, 4 GB, (300x) CF module IDE, 1 GB
<b>Hard disk notes</b>	Supporting NCQ and 3 GBit CF Modules for thin client usage (with or without embedded software)
<b>MODULAR BAY OPTIONS</b>	DVD Super Multi, SATA I DVD Super Multi Slot-in slim, SATA
<b>INTERFACE ADD ON CARDS/COMPONENTS (OPTIONAL)</b>	Parallel Interface eSATA Interface Dual serial card PCI LP
<b>Base unit</b>	ESPRIMO C5731 E-Star5
<b>MAINBOARD</b>	
<b>Mainboard type</b>	D3004
<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 (DDR3)
<b>Supported capacity RAM (max.)</b>	16 GB
<b>Memory frequency</b>	1066 MHz
<b>Memory notes</b>	Dual channel support. 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 Recovery BIOS
<b>Audio codec</b>	Realtek ALC663
<b>Audio features</b>	Internal speaker supports audio playback, High Definition audio

## I/O CONTROLLER ON BOARD

Serial ATA total	3
thereof eSATA	1 (optional)
Controller functions	Serial ATA II NCQ and 3 GBit AHCI

## INTERFACES

Audio: line-in	1
Audio: line-out	1
Front audio: headphone	1
Front audio: microphone	1
USB 2.0 total	10
USB front	3
USB rear	6
USB internal	1
VGA	1
DVI	1
Serial (RS-232)	2 (powered, 9pin, 16 byte FIFO, 16550 compatible)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1
Parallel	optional (25pin with EPP and ECP)

## INPUT DEVICE / COMPONENTS

Optical USB tilt wheel mouse  
Optional: Optical USB/PS2 tilt wheel mouse

## DRIVE BAYS

Drive bays total	2
3.5-inch internal bays	1
5.25-inch external bays	1
Drive bay notes	slim optical disc drive

## SLOTS

PCI (32-bit / 33 MHz)	1 x (174 mm) low profile
-----------------------	--------------------------

## GRAPHICS ON BOARD

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 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel
----------------------	---

TFT resolution (DVI)	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel
----------------------	---

Graphics features	DirectX 10 DualView possible with DVI and VGA HDCP support
-------------------	--

## GRAPHICS ON BOARD

<b>Graphics notes</b>	Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size Resolution (color depth up to 32 Bit/pixel) For TFT we recommend using 60Hz
-----------------------	--

## ELECTRICAL VALUES

<b>Power efficiency note</b>	power supply efficiency (at 230V; 20% / 50% / 100% load) : 82% / 87% / 87%
<b>Rated voltage range</b>	100 - 240 V
<b>Rated frequency range</b>	50 - 60 Hz
<b>Operating voltage range</b>	90 - 264 V
<b>Operating line frequency range</b>	47 - 63 Hz
<b>Max. output of single power supply</b>	218 W
<b>Power factor correction/active power</b>	active
<b>Monitor outlet</b>	No

## POWER CONSUMPTION

<b>Power consumption note</b>	See white paper Energy Consumption
<b>Link to Energy White Paper</b>	<a href="http://docs.ts.fujitsu.com/dl.aspx?id=ea8cb498-f757-4d7b-8262-28583cd9e1b1">http://docs.ts.fujitsu.com/dl.aspx?id=ea8cb498-f757-4d7b-8262-28583cd9e1b1</a>

## HEAT DISSIPATION

<b>Heat dissipation notes</b>	See white paper Energy Consumption
-------------------------------	------------------------------------

## NOISE FOR STANDARD CONFIGURATION (HDD, ODD, FDD)

<b>Noise emission</b>	According to ISO9296
<b>Noise Operation mode 1: ODD load (Blue angel requirement)</b>	4.6 B / 32 dB(A)
<b>Noise Operation mode 2: HDD load (Blue angel requirement)</b>	3.8 B / 23 dB(A)
<b>Noise Operation mode 3: CPU 90% load (Blue angel requirement)</b>	4.2 B / 27 dB(A)
<b>Noise Operation mode 4: High load</b>	4.2 B / 27 dB(A)
<b>Noise Operation mode 5: Office applications</b>	3.8 B / 22 dB(A)
<b>Idle mode (Blue Angel requirement)</b>	tbd dB(A)
<b>Noise notes / description</b>	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

## DIMENSIONS / WEIGHT / ENVIRONMENTAL

<b>Dimensions (W x D x H)</b>	264 x 299 x 88 mm
<b>Operating position</b>	Vertical / horizontal (no feet needed)
<b>Weight</b>	approx. 9 kg
<b>Weight notes</b>	Actual weight may vary depending on configuration
<b>Operating ambient temperature</b>	10 - 35°C

## COMPLIANCE

<b>Product</b>	ESPRIMO C5731
<b>Model</b>	USD-D3004
<b>Germany</b>	Blauer Engel / Blue Angel in progress GS optional
<b>Europe</b>	CE Nordic Swan in progress EN 60601-1-2
<b>USA/Canada</b>	FCC Class B CSA
<b>Global</b>	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® 5.0 in progress EPEAT® in progress
<b>Compliance link</b>	<a href="https://sp.ts.fujitsu.com/sites/certificates/default.aspx">https://sp.ts.fujitsu.com/sites/certificates/default.aspx</a>

---

## OPERATING SYSTEM

<b>Operating system optional preinstalled</b>	Microsoft® Windows® 7 Home Premium Microsoft® Windows® 7 Professional TwinLoad Microsoft® Windows® XP Professional (DVD)
<b>Operating system compatible</b>	Linux
<b>Operating system notes</b>	All Windows® 7 versions are Office 2007 ready.

---

## ADDITIONAL SOFTWARE

<b>Additional software (preinstalled)</b>	Nero Essentials S (burning software)
<b>Additional software (optional)</b>	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD)

---

## COMPATIBILITY (REFERENCES)

DMI 2.0  
PC 2001  
WMI 1.5  
USB 2.0

---

## MANAGEABILITY

<b>Manageability features</b>	ASF 2.0 (Alert Standard Format) DeskUpdate Driver management DeskView Migrate (optional) DeskView Control (optional) PXE 2.1 Boot code BootP Boot Code including Bootmanage Administrator Software (tested) Wake up from S5 (off mode) Intrusion switch (optional) Intel® Standard Manageability
<b>Manageability type</b>	DeskView 10.x client management including:
<b>DeskView features</b>	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Advanced alerts (ASF implementation) Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
<b>Manageability link</b>	<a href="http://ts.fujitsu.com/manageability">http://ts.fujitsu.com/manageability</a> <a href="http://www.altiris.com/fujitsu">http://www.altiris.com/fujitsu</a>

---

## SECURITY

<b>Physical security</b>	Kensington Lock support Eye for padlock Optional: Integrated cabinet lock
<b>System security</b>	Boot sector virus protection Write protect option for the Flash EPROM Embedded security (TPM 1.2) Control of all USB interfaces External USB ports can be disabled separately Boot protection for floppy disk / CD drive and write protection for floppy disk drive Control of external interfaces
<b>User security</b>	User and supervisor BIOS password SystemLock 2 BIOS SmartCard Security Hard disk password Optional: Access protection via external SmartCard reader Optional: Access protection via internal SmartCard reader

---

## SERVICEABILITY

EasyFix  
EasyChange for HDD

---

## PACKAGING INFORMATION

<b>Packaging dimension</b>	398x300x520 mm
<b>Max. quantity / pallet</b>	32

---

---

**PACKAGING INFORMATION**

<b>Material - Weight (g) Carton</b>	880 g
<b>Material - Weight (g) EPS / PS</b>	250 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 C5731 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 C5731 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>  
2010-02-19 CE-EN

---