

Fujitsu recommends Windows® 7.

Data Sheet

Fujitsu ESPRIMO C710

Desktop PC

Preliminary Data sheet / For internal use only

Company confidential

The Ultra Small Professional PC

The Fujitsu ESPRIMO C710 has an ultra-small form factor with a volume of less than 8-liters, making it ideal for your space-constrained office. A 92%-efficient power supply and Intel® Standard Manageability will lower your energy and administrative costs. A professional Intel® core™ processor ensures great performance. Plus, EraseDisk ensures secure system retirement



Green technology

Our company's contribution to environmental protection

- Modern, environmentally friendly product concept from development to recycling.

Energy efficiency

Reduce power consumption and costs - without any loss of performance

- Sophisticated technology, low energy-consuming processors and enhanced power management settings

Flexibility

Systems tailored to meet your requirements

- Flexible logistics concept - Customizing program (made4you)

Reliability

Reliable top-quality products made in Germany

- High product standards thanks to top-quality components and comprehensive testing in certified in-house laboratories



Compact design

Top quality PC for office environments with little space; can be positioned both horizontally and vertically

- Ultra small form factor PC with only 7.4 liters volume, integrated, highly efficient power supply, legacy interfaces and powered serial ports



Components

Processor	Intel® Core™ i7-3770 processor (4 Cores / 8 Threads, 3.40 GHz, 8 MB, Intel® HD Graphics 4000) Intel® Core™ i5-3570 processor (4 Cores / 4 Threads, 3.40 GHz, 6 MB, Intel® HD Graphics 2500) Intel® Core™ i5-3550 processor (4 Cores / 4 Threads, 3.30 GHz, 6 MB, Intel® HD Graphics 2500) Intel® Core™ i5-3470 processor (4 Cores / 4 Threads, 3.20 GHz, 6 MB, Intel® HD Graphics 2500) Intel® Core™ i5-2400 processor (4 Cores / 4 Threads, 3.10 GHz, 6 MB, Intel® HD Graphics 2000) Intel® Core™ i3-2120 processor (2 Cores / 4 Threads, 3.30 GHz, 3 MB, Intel® HD Graphics 2000) Intel® Pentium® processor G850 (2 Cores / 2 Threads, 2.90 GHz, 3 MB, Intel® HD Graphics) Intel® Pentium® processor G630 (2 Cores / 2 Threads, 2.70 GHz, 3 MB, Intel® HD Graphics) Intel® Celeron® processor G530 (2 Cores / 2 Threads, 2.40 GHz, 2 MB, Intel® HD Graphics)
Operating systems	
Operating system compatible	openSUSE Linux Genuine Windows® XP
Operating system notes	Limited Windows® XP support. Microsoft discontinued Windows® XP certification on system level, basic drivers via http://support.ts.fujitsu.com
Memory modules	2 GB (1 module(s) 2 GB) DDR3, unbuffered, non-ECC, 1600 MHz, PC3-12800, DIMM 4 GB (1 module(s) 4 GB) DDR3, unbuffered, non-ECC, 1600 MHz, PC3-12800, DIMM 8 GB (1 module(s) 8 GB) DDR3, unbuffered, non-ECC, 1600 MHz, PC3-12800, DIMM
Hard disk drives (internal)	SSD SATA III, 256 GB, 2.5-inch SSD SATA III, 128 GB, 2.5-inch mSATA, 16 GB, Flash drive mSATA, 8 GB, Flash drive mSATA, 4 GB, Flash drive mSATA, 2 GB, Flash drive HDD SATA III, 7200 rpm, 2000 GB, 3.5-inch HDD SATA III, 7200 rpm, 1000 GB, 3.5-inch HDD SATA III, 7200 rpm, 500 GB, 3.5-inch, business critical HDD SATA III, 7200 rpm, 500 GB, 3.5-inch HDD SATA III, 7200 rpm, 250 GB, 3.5-inch HDD SATA II, 7200 rpm, 320 GB, 2.5-inch HDD SATA II, 7200 rpm, 160 GB, 2.5-inch
Hard disk notes	Up to 18 GB of HDD space is reserved for system recovery
Graphics add on cards (optional)	NVIDIA® Quadro® NVS 300 LP, 512 MB NVIDIA® GeForce® GT630 DisplayPort 2GB LP, 2 GB NVIDIA® GeForce® 605 DisplayPort 1GB LP, 1 GB LFH59/ 2x DVI-I adapter cable LFH59/ 2x DP adapter cable DP to DVI-D (single link) Adapter Cable
Drives (optional)	BD Triple Writer SATA slim (tray) DVD SuperMulti SATA slim DVD Super Multi Slot-in slim

**Interface add on cards/components
(optional)**

WLAN III, 802.11g/Draft-n (Windows only)
 Parallel Interface
 Gigabit Ethernet PCIe x1, DS
 eSATA Interface
 Dual serial card PCIe x1, powered
 Dual serial card PCIe x1

Base unit ESPRIMO C710

Mainboard

Mainboard type	D3164
Formfactor	proprietary
Chipset	Intel® Q75
Processor socket	LGA 1155
Processor quantity maximum	1
Memory slots	4 DIMM (DDR3)
Supported capacity RAM (max.)	32 GB
Memory frequency	1600 MHz
Memory notes	Dual channel support. For dual channel performance, a minimum of 2 memory modules have to be ordered. Capacity per channel has to be the same.
LAN	10/100/1000 MBit/s Intel® 82579 V
BIOS version	AMI Aptio 4.6
BIOS features	BIOS Flash EPROM update by software Recovery BIOS Unified Extensible Firmware Interface (UEFI)
Audio codec	Conexant CX20642
Audio features	Internal speaker supports audio playback, High Definition audio

I/O controller on board

Serial ATA total	3
thereof SATA III	1
thereof eSATA	1 (optional)
Controller functions	Serial ATA II (3 Gbit) Serial ATA III (6 Gbit) NCQ AHCI

Interfaces

Audio: line-in	1
Audio: line-out	1
Front audio: microphone	1
Front audio: headphone	1
USB 2.0 total	8
USB 3.0 total	4
USB front	2x 2.0/ 2x 3.0
USB rear	4x 2.0/ 2x 3.0
USB internal	2
VGA	1 (via DVI to VGA adapter, part of shipment)
DisplayPort	1
DVI	1 (DVI-I)
Serial (RS-232)	2 (powered, 9pin, 16 byte FIFO, 16550 compatible)
Mouse / Keyboard (PS/2)	2
Ethernet (RJ-45)	1

Interfaces

Parallel	1 (optional) (25pin with EPP and ECP)
eSATA	1 (optional)
Interface Module notes	Anytime USB charge functionality

Input device / components

Input devices (optional)	Optical USB wheel mouse Optical USB/PS2 tilt wheel mouse KBPC PX ECO Mouse M440 ECO
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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-Express 3.0 x16	1 x (220 mm) Low profile
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Graphics on board

Graphics brand name	Intel® HD Graphics, HD Graphics 2000, HD Graphics 2500, HD Graphics 4000 (depending on CPU)
Shared video memory	up to 1759 MB
TFT resolution (VGA)	1024 x 768 pixel 1280 x 1024 pixel 1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1600 x 1200 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
TFT resolution (DisplayPort)	1360 x 768 pixel 1440 x 900 pixel 1600 x 900 pixel 1680 x 1050 pixel 1920 x 1080 pixel 1920 x 1200 pixel 2560 x 1440 pixel 2560 x 1600 pixel
Graphics features	Dual display support DirectX® 10.1 or DirectX® 11 (depending on CPU) HDCP support Open GL® 3.1 (depending on CPU) Open CL™ 1.1 (depending on CPU) For multi monitoring mode, graphics card and integrated graphics run in parallel (Microsoft® Windows 7® only)
Graphics notes	Tested resolutions, depending on display type additional resolutions and frequencies possible Shared memory depending on main memory size and operating system Resolution (color depth up to 32 Bit/pixel) For TFT we recommend using 60Hz

Electrical values

Power efficiency note	power supply efficiency (at 230V; 20% / 50% / 100% load) : 87% / 90% / 87%
Rated voltage range	100 V - 240 V

Electrical values

Rated frequency range	50 Hz - 60 Hz
Operating voltage range	90 V - 264 V
Operating line frequency range	47 Hz - 63 Hz
Max. output of single power supply	225 W
Power factor correction/active power	active
Monitor outlet	No

Power consumption

Power consumption note	See white paper Energy Consumption
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Heat dissipation

Heat dissipation notes	See white paper Energy Consumption
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Noise for standard configuration (HDD, ODD)

Noise emission	According to ISO9296
Related Processors for noise	tbd
Noise Operation mode 1: ODD load (Blue angel requirement)	tbd
Noise Operation mode 2: HDD load (Blue angel requirement)	tbd
Noise Operation mode 4: High load	tbd
Noise Operation mode 5: Office applications 2.0	tbd
Idle mode (Blue Angel requirement)	tbd
Noise notes / description	A weighted sound power level Lwad (in B) / workplace related A-weighted sound pressure level LpAm (in dB(A)), Bystander position

Dimensions / Weight / Environmental

Dimensions (W x D x H)	265 x 315 x 88 mm
Operating position	Vertical / horizontal (no feet needed)
Weight	approx. 9 kg
Weight notes	Actual weight may vary depending on configuration
Operating ambient temperature	10 - 35°C

Compliance

Product	ESPRIMO C710
Model	USD-3164
Germany	TÜV GS
Europe	CE Nordic Swan in progress
USA/Canada	FCC Class B cCSAus
Global	RoHS (Restriction of hazardous substances) WEEE (Waste electrical and electronic equipment) Microsoft Operating Systems (HCT / HCL entry / WHQL) ENERGY STAR® in progress EPEAT® in progress (dedicated regions)
Compliance link	https://sp.ts.fujitsu.com/sites/certificates/

Additional Software

Additional software (preinstalled)	Nero Essentials S (burning software) Fujitsu Recovery (Hard Disk Based Recovery) Norton Internet Security (incl. Firewall) 60 days version Microsoft® Office Starter: reduced-functionality Word and Excel® only, with advertising. No PowerPoint® or Outlook®. Buy Office 2010 to use the full-featured software.
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Additional Software

Additional software (optional)	Recovery DVD for Windows® Drivers & Utilities DVD (DUDVD) CyberLink PowerDVD BD (playback software for Blu-ray Disc™, only with Blu-ray Disc™ drive / Blu-ray playback is not supported under Windows XP if the system runs on Intel onboard graphics) Nero 10 Essentials XL
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Miscellaneous

Keyboard on (Special Fujitsu keyboard required)
Thermal management
Extended lifetime

Compatibility (references)

DMI 2.0
PC 2001
WMI 1.5
USB 2.0
SMBIOS

Manageability

Manageability technology	DeskUpdate Driver management PXE 2.1 Boot code Wake up from S5 (off mode) Intrusion switch (optional) Intel® Standard Manageability
Manageability software	DeskView 10.x client management including:
DeskView components	On/Offline remote client management Detailed system inventory management and reports BIOS Management Remote power management System notifications Security Remote Control DeskView Helpdesk Integration WoL (Wake on LAN)
Manageability link	http://ts.fujitsu.com/manageability http://www.altiris.com/fujitsu

Security

System protection	Kensington Lock support Eye for padlock Optional: Integrated cabinet lock
Audit proof protection	EraseDisk (optional) 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 Control of external interfaces
Access protection	User and supervisor BIOS password Hard disk password Optional: Access protection via external SmartCard reader Optional: Access protection via internal SmartCard reader

Serviceability

EasyFix
EasyChange for HDD

Packaging information

Packaging dimension	467x265x540 mm
Max. quantity / pallet	28
Material - Weight (g) Carton	940 g

Packaging information

Material - Weight (g) EPS / PS	190 g
Material - Weight (g) PE	appr. 60 g
Packaging notes	printed user documentation is bleached in chlorine free process

Warranty

Standard Warranty	1 year
Service level	Bring-In / On-Site Service (depending on country)

Maintenance and Support Services - the perfect extension

Recommended Service	5x9, Response Time: Next Business Day
Spare Parts availability	5 years
Service Weblink	http://ts.fujitsu.com/Supportservice

More information

Fujitsu platform solutions

In addition to Fujitsu ESPRIMO C710, 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/

Software

www.fujitsu.com/software/

More information

Learn more about Fujitsu ESPRIMO C710, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. www.fujitsu.com/fts

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/>



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