

PRIMERGY Econel 100 S2

Mono socket economy tower - Server performance at a PC price

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PRIMERGY Econel servers are the best choice when funds are limited but server availability, performance, and uncomplicated operation are important. PRIMERGY Econel brings server performance at a price rivaling that of a PC! PRIMERGY Econel servers ensure data security through ECC memory protection and integrated RAID disk mirroring. With its particularly low noise levels, the PRIMERGY Econel 100 S2 is the perfect system for any office environment. PRIMERGY Econel “easy change” design principles make it possible for you to install or replace components without technical expertise. And of course, the renowned and dependable PRIMERGY quality is ensured by applying the full set of PRIMERGY testing procedures to the Econel servers.

PRIMERGY Econel 100 S2

If you are looking for a silent, energy efficient system capable of providing server performance at a PC price, then the PRIMERGY Econel 100 S2 is the right system for your business.

Reliability

- Server certified components guaranteeing 24 x 7 @ 365 operation
- Complete in-house system development and manufacturing guarantees the quality levels you have come to expect from Fujitsu Siemens Computers

Environment

- Fujitsu Siemens Computers, the pioneer in the field of “Green IT”, has carefully engineered the system so as to minimise the impact on the environment as well as total cost of ownership

Ergonomics

- Sophisticated hardware design with optimized fans and air flow ensures a silent system for an efficient working environment
- Best usability and complete quality – service friendly cabinet and easy access to all components

made4you

- 15 months platform availability and product continuity with managed lifecycle (via made4you service)
- Tailor-made products to meet your business specific requirements
- Freedom of choice with systems which perfectly fit to your demands

Leading Edge Technology

- The Intel® 3200 chipset and Quad-Core processor technology supports your business with an excellent price-performance ratio

Manageability

- Reduce Total Cost of Ownership with a comprehensive set of system management features
- Easy and remote administration with ServerView
- Easy setup via ServerStart

Security

- Access and data protection with sophisticated hardware and software components for secure systems
- Protect property – secure your hardware and data
- Data security with RAID 0,1 and ECC memory

Flexibility

- Available with two different base units with either a maximum of 2 or of 4 hard disks.



Type	Mono Socket Economy Server	
System board	D2679	
Chipset	Intel® 3200 + ICH9R	
Processors	Intel® Celeron®/ Intel® Pentium® Dual-Core/ Intel® Xeon® UP Dual-Core/ Intel® Xeon® Quad-Core	
Frequencies (GHz)	440 (2.0GHz) 35W/ E2180 (2.0GHz) 65W/ 3085 (3.0GHz) 65W, X3220 (2.4GHz) 95W	
System-Bus	FSB 800 MHz (440/E2180) / 1333 MHz (3085) / 1066 MHz (X3220)	
Second-Level-Cache	512kB to 8MB, depending on CPU	
Memory (modules)		
512 MB - 8 GB ECC 667/800MHz DDR2 SDRAM; (PC2-5300/PC2-6400) (512 Mbyte, 1 Gbyte, 2 Gbyte) Mix and match possible; with dual channel operation better performance (2 capacity equal modules necessary). Single channel (1 module) configuration possible.		
Flash-EPROM		
Local BIOS update from floppy disk; Remote BIOS update via LAN (via DeskFlash / Global Flash).		
Interfaces		
Serial	1 x RS-232-C (9-pin)	
Centronics (parallel)	1 x ECP / EPP parallel port (25 pin) - optional	
Keyboard, mouse	2 x PS/2	
USB 2.0	8 x USB (6 x rear side, 2 x front side) 2 x internal for backup drives	
LAN	1 x RJ45	
Graphics	1x VGA (15-pin)	
Onboard controller**		
SATA	6 x SATA2 (3GBit)	
ICH 9R	RAID 0, 1 incl. LSI RAID Stack	
Intel® Nineveh 82566DM	Fast Ethernet 10/100/1000 Mbit (PXE-Boot by LAN via PXE-Server) Teaming supported	
Graphics	ATI ES1000 (RN50) - 32MB	
TPM (optional)	Infineon/1.2	
Floppy disk drive	3.5 inch, 1.44 Mbyte, optional	
DVD-ROM drive	5.25 inch, SATA	
Hard disk drives (SATA)	Up to 4 x 80, 160, 250, 500 and 750 Gbyte easy change, non hot-plug 4)	
1 Gbyte equals one billion bytes when referring to hard disk drive capacity; accessible capacity may vary.		
I/O Slots	3 x PCIe (1 x1, 1 x4, 1 x8) 1 x PCI 32-bit / 33 MHz, 3.3V only	
Drive bays		
for hard disks	Choice of 2 x 3.5/1-inch or 4 x 3.5/1 inch hard disk drive chassis. Not upgradeable in the field.	
for accessible drives	2 x 5.25/1.6-inch 1 bay occupied by DVD/DVD-RW 1x 3.5/1-inch FD as option	
Electrical values		
Power supply	Standard	Standard
Output power	260 W	300W ³⁾
Rated voltage range	100 - 127 / 200 - 240 V	100 - 127 / 200 - 240 V
Rated frequency	50 - 60 Hz	50 - 60 Hz
Max. rated current	100 - 127 6 A / 200 - 240 V 3 A	100 - 127 6,5 A / 200 - 240 V 3,5 A
AC output	100 - 240 V / 3 - 1,5 A	100 - 240 V / 3 - 1,5 A
Rated current in basic configuration	100 - 240 V / 1,5 - 0,6 A	100 - 240 V / 1,5 - 0,6 A
Active power active Std.	171 W	188W
Apparent power active Std.	217 VA	200VA
Heat emission active Std.	615 kJ/h (583 btu/h)	677 kJ/h (642 btu/h)

Temperature/ Noise/ Dimensions/ Weight	
Ambient temperature	10°C - 35°C (acc. to IEC 721)
Declared noise in according with ISO 9296	Idle / operating
Sound power L _{WAd}	3.7B / 4.0B ²⁾
Sound pressure L _{pAm}	21 dB(A) / 25 dB(A) ²⁾ Intel® Xeon® X3220
Dimensions (HxWxD)	390 x 203 x 386 (mm)
Weight	approximately 12 kg
Compliance with Norm and Standards	
Product safety	
Global	IEC 60950
Europe	EN 60950
USA	UL 60950 3rd. Ed.
Canada	CAN/CSA-C22.2 No. 60950 3rd. Ed.
Electro-Magnetic Compatibility	
Europe	EN 55 022 class B, EN 55024, EN61000-3-2 / -3
USA / Canada	FCC class A
Declaration of Conformity	
Europe (CE)	89/336/EWG (EMV); 72/23 EEC (LVD)
North America	FCC Class A
Approvals	
Product safety	
Global	CB
Europe	CE
USA / Canada	CSA _{US} / CSA _C
There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons can be applied for on request	
Supported Operating Systems ¹⁾	
See actual release status operating systems : e.g. Windows 2003; Novell SUSE Linux Enterprise Server , Red Hat Enterprise Linux; (Support of Debian, Ubuntu, Mandriva Linux and other Linux derivatives on demand).	
* No application support **For supported controllers (onboard and PCI cards for SCSI, RAID, LAN, WAN, etc.), please refer to the corresponding system configurator.	
Server Management (see separate data sheets)	
Standard	ServerView Suite, ServerView Installation Manager, DU DVD
<ol style="list-style-type: none"> 1) other operating systems possible via made4you (www.fujitsu-siemens.com/made4you). Implementation has to be checked case by case. 2) Values measured with system with max. 2 HDDs. 3) Only for system with max. 4 HDDs. 4) Number of hard disks depends on the chosen base unit. 	

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