

PRIMERGY

ECONEL 100 S2 1WAY

Intel® Xeon® E3120 (3.16GHz)/E3110 (3GHz)
 Intel® Core™ 2 Duo E7300 (2.66GHz)
 Intel® Pentium® E2200 (2.20GHz)
 Intel® Celeron® 430 (1.80GHz)

1GB (~8GB) DDR2 SDRAM

3.5inch SATA HDD x4Bays (MAX. 2TB)

PCI Express x1

Onboard 1000 BASE-T



Single-socket economy 1Way tower — Server performance at a PC price

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. Particularly low noise levels also make them the perfect system for any office environment.

PRIMERGY ECONEL “easy change” design principles let you to install or replace components without technical expertise. And of course, the renowned and dependable PRIMERGY quality is ensured by application of the full set of PRIMERGY testing procedures to all ECONEL servers.

A wide choice of processor technology; Intel® Xeon® E3120 (3.16GHz)/E3110 (3GHz), Intel® Core™ 2 Duo

E7300 (2.66GHz), Intel® Pentium® E2200 (2.20GHz), Intel® Celeron® 430 (1.80GHz) will support your business and provide excellent price-performance.

Standard software RAID supports data security with RAID 1, and up to 4 SATA (Serial ATA) HDD of 80 GB/160GB/500GB can be installed for a maximum 2TB. Hardware RAID (RAID0, 1, 1+5, 5, 6) is also available as option.

With its small footprint and peacefully quiet 21dB operation ECONEL 100 S2 is particularly well suited to small office environments.

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

Specifications

Type		Mono-Processor Tower Server
Model		3.5inch SATA model
CPU	Frequencies	Intel® Xeon® E3120 (3.16GHz) ^{*1} /E3110 (3GHz) ^{*5} /Intel® Core™ 2 Duo E7300 (2.66GHz) ^{*6} / Intel® Pentium® E2200 (2.20GHz)/Intel® Celeron® 430 (1.80GHz)
	Second-Level-Cache	6MB (Intel® Xeon® E3120 (3.16GHz)/E3110 (3GHz)) 3MB (Intel® Core™ 2 Duo E7300 (2.66GHz)/1MB (Intel® Pentium® E2200 (2.20GHz)/ 512KB (Intel® Celeron® 430 (1.80GHz))
	Number of processors	1 (max. 1)
	Number of cores	2 per processor (Intel® Xeon® E3120 (3.16GHz)/E3110 (3GHz)/Intel® Core™ 2 Duo E7300 (2.66GHz)/ Intel® Pentium® E2200 (2.20GHz)/ 1 per processor (Intel® Celeron® 430 (1.80GHz))
Front-Side-Bus		1333MHz (Intel® Xeon® E3120 (3.16GHz)/E3110 (3GHz)/ 1066MHz (Intel® Core™ 2 Duo E7300 (2.66GHz)/ 800MHz (Intel® Pentium® E2200 (2.20GHz)/Intel® Celeron® 430 (1.80GHz))
Chipset		Intel® 3200
TPM (Trusted Platform Module)		standard (onboard) ^{*7}
Memory	Standard	1GB (1GB ECC DDR2 SDRAM DIMM x 1)
	Maximum ^{*1}	8GB (2GB ECC DDR2 SDRAM DIMM x 4)
Graphics Controller		ATI ES1000, VRAM : 32MB (PCI)
Resolution ^{*2}		640x480/800x600/1024x768/1280x1024 dot
Internal Bays 3.5 inch HDD (SATA)	Number of Bays	4
	Available HDD ^{*3}	3.5inch, SATA, 7.2krpm, 80.0GB 3.5inch, SATA, 7.2krpm, 160.0GB 3.5inch, SATA, 7.2krpm, 500.0GB
	Maximum ^{*3}	2.0TB (500.0GB x 4)
Internal Bays 5inch		2 (1 free bay)
DVD-ROM		Max. 16 DVD-ROM/Max 40 CD-ROM (SATA)
PCI Slots	PCI Express (x8) [x8]	1
	PCI Express (x4) [x8]	1
	PCI Express (x1) [x8]	1
	PCI (32bit/33MHz) [3.3V]	1
RAID		Software RAID
SATA Interface (onboard)		SATA x 4ports
Internal FDD		3.5inch (1.44MB/720KB)
Network Interface (onboard)		1 port (1000BASE-T/100BASE-TX/10BASE-T)
Interfaces		Display (Analog RGB), Serial Port (D-SUB 9pins) Parallel Port (optional, D-SUB 25pins) (1 when Parallel Port is applied.) Keyboard (PS/2type Mini DIN 6pins), Mouse (PS/2type Mini DIN 6pins), USB x 9 (ver. 2.0) (Internal : x 1, External : x 8)
Server Management Software		ServerView (Standard)
Power Supply	Voltage	AC 100-127V (50/60Hz)/AC 200-240V (50/60Hz) x 1 (max.1)
	Power Consumption	178W /640.8kJ/h (max.)
	Redundant Power Supply	-
Redundant Fan		-
Dimensions (mm)		203 (W) x 386 (D) x 390 (H)
Weight		16.2kg (max.)
Environmental Conditions		Temperature 10-35°C/Humidity 20-80% (non condensing)
OS Support		Windows Server® 2008 Standard (32-bit)/Windows Server® 2008 Standard (64-bit) Windows Server® 2003 R2, Standard Edition (SP2)/Windows Server® 2003, Standard Edition (SP2) Windows Server® 2003 R2, Standard x64 Edition (SP2)/Windows Server® 2003, Standard x64 Edition (SP2) Windows® Small Business Server 2003 R2 (SP2)/Windows® Small Business Server 2003 (SP2) Red Hat Enterprise Linux ES (v.4 for x86)/Red Hat Enterprise Linux 5 (for x86) ^{*8} Red Hat Enterprise Linux ES (v.4 for EM64T)/Red Hat Enterprise Linux 5 (for Intel64) ^{*8}

^{*1} Available memory capacity will be changed by the type of OS. Please find more details in Notes [Memory OS Compatibility List].

^{*} Noise level is 21dB.

^{*2} Resolution is determined by functions of the display monitor and OS.

^{*3} HDD capacity is calculated according to the formulas 1GB=1000³ byte and 1TB=1000⁴ byte.

^{*4} CPU Conversion kit: Pentium E2200 (2.20GHz) -> Xeon E3120 (3.16GHz) is available for upgrading to Intel® Xeon® E3120 (3.16GHz).

^{*5} CPU Conversion kit: Pentium E2200 (2.20GHz) -> Xeon E3110 (3GHz) is available for upgrading to Intel® Xeon® E3110 (3GHz).

^{*6} CPU Conversion kit: Pentium E2200 (2.20GHz) -> Core 2 Duo E7300 (2.66GHz) is available for upgrading to Intel® Core™ 2 Duo E7300 (2.66GHz).

^{*7} TPM is available for BitLocker™ Drive Encryption of Windows Server® 2008.

^{*8} VM (Virtual Machine) function is not supported.

Specifications are subject to change without notice.

Other brand names and product names are trademarks and registered trademarks of their respective holders.

Fourth edition, March 2009

