



NEC SI1120R-1



The value front end server

Performance accessible to all SMEs

- New ultra-dense and compact single processor rack server. Easy to install in any rack cabinet.
- Space-conscious solution for small businesses or public organizations looking for servers to manage and run front-office applications (Antivirus, Firewall, Proxy, Web Applications, Email).
- Optimized complexity for easy to deploy and simple to operate a small infrastructure.
- Offers optimal performance with maximum density, at a highly competitive price.

Value

Density

**Ease of
management**

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Hardware Specification

Value

- Equipped with the latest Intel® **45nm** Dual/Quad core Xeon (3100 & 3300 series)
- Onboard **RAID SATA (0,1) controller**
Optional PCI express RAID Disk Array Controller (128MB cache)
- Embedded **Dual Gigabit Ethernet** (Adaptive Load Balancing /Teaming compatible)

Density

- **1U** compact rack server
- **Telecom form factor** compatible (chassis depth less than 20")
- Up to **1.5 TB** SATA-2 disk capacity

Ease of management

- Integrated **IPMI 2.0** management controller
- Compatible with New Software Management Solution and "**Syam System Area Management Made Simple™**" and "**Microsoft System Center Essentials Suite**"
- **ExpressBuilder** installation and configuration utilities
- Enhanced **Linux** and **Windows** support

DESIGN	Form Factor 1U Rack (Depth < 20") Optional cable arm and sliding rails
PROCESSORS	Quad-Core Intel® Xeon® Processor (3300 series) Dual-Core Intel® Xeon® Processor (3100 series) Intel® Pentium® D processor (2000 series) No. of CPU 1 Cache L2 Up to 2x6MB
ARCHITECTURE	EM64T Supported Chipset Intel® 3210 + ICH9R FSB 800MHz/1333Mhz
MEMORY	Type DDR2-800 ECC Min 1GB Max 8GB Slots 4 DIMM
STORAGE DEVICES	I/F SATA2 Max capacity SATA2 : 1.5TB (750GB x2) 7,2Krpm 300GB (150GB x2) 10Krpm Storage controller On-board : 2 ports SATA2 Optional : SCSI U320 Adaptec29320LPE RAID On-board : SATA2 SW RAID 0, 1 Optional : Megaraid SAS 8708EM2 (128MB cache) HotSwap Not supported
MEDIA	FDD Optional : external USB FDD 3.5" 1.44MB ODD Standard : DVD +/- RW
BAYS	Slim Bay for Optical Device Drive Disk Drive Bays : 3.5" 2 x1" (fixed)

*1 Please contact us to get Linux drivers that are not included in distribution
 *2 Contact us to get latest test report

I / O SLOTS	Total : 1 slot Standard : PCI EXPRESS™ x8 : 1, Full height
VIDEO	Integrated graphic Engine 32MB
NETWORK	2 Gigabit Ethernet with teaming and load balancing support
I / O PORTS	Keyboard x1, Mouse x1, VGA video x1 USB2.0 x4 (1x front + 2x rear + 1x internal), Serial x1, RJ-45 x2
POWER SUPPLY	Standard : 1, fixed Maximum power Consumption : 300VA/350W Dissipation : 1195BTU per Hour (max)
COOLING FAN	Standard : 5, fixed
MANAGEMENT	Embedded : IPMI 2.0 management controller Management software : Optional "Syam System Area Management Made Simple™" and "Microsoft System Server Essentials Suite" Configuration software : ExpressBuilder
SECURITY	2 Level Passwords : yes Front Door : optional bezel Intrusion Detection : no
PHYSICAL SPECIFICATIONS	Dimensions (mm) : (43Hx430Dx506W) Weight : 8kg (standard), 12kg (max)
CERTIFIED OS	Windows Server™ 2003 R2 SP2 (x64, x86) Red Hat® Linux™ EL 4.5 and EL 5.1 (*1)
ADDITIONAL TESTED OS*2	Windows XP 32 bits, Fedora, Debian, Mandriva CS 4.0 Novell Suse SLES 10 (*1)
WARRANTY	Standard : 1 year or 3 years on-site Extensions : 4 Hour Response 6 Hour Repair Time Commitment

