

NEC Express5800/120Rg-2

■ *Offers Application Service Providers and Internet Service Providers outstanding scalability and manageability for their Internet and Web application hosting services, and allows wide-ranging enterprises to consolidate their applications and infrastructure services*



Product Highlights

NEC Express5800/120Rg-2 features **up to two Intel® Xeon™ Processors 3.40GHz/3.20GHz/3GHz** with 800MHz system bus and 1MB 2nd cache. It supports **Intel® Extended Memory 64 Technology** (Intel® EM64T), the industry's latest enhancement that allows Intel's IA-32 processors to run 64-bit code and to access large memory amounts.

NEC Express5800/120Rg-2 **delivers up to 12GB DDR333 SDRAM memory (6 DIMM sockets) with ECC and Chipkill capabilities.**

In addition, NEC Express5800/120Rg-2 supports **Ultra 320 SCSI** hard disk drives, enabling **on-board RAID 0/1**, without a separate disk array controller, and optional **RAID 5**. This prevents loss of important data and allows higher system availability in the event of a disk failure, while reducing the cost for the extra device.

For optimal I/O expandability, NEC Express5800/120Rg-2 offers a total of **6 PCI slots**: 3x 64bit/100MHz PCI-X (FullHeight) and 3x 64bit/66MHz PCI-X (LowProfile). With new optional riser cards, the slot availability* can be changed to 3x 64bit/133MHz PCI-X (FullHeight) and 3x 64bit/66MHz PCI-X (LowProfile) or 3x 64bit/33MHz 5V-PCI (FullHeight) and 3x 64bit/66MHz PCI-X (LowProfile), enabling a transfer speed scalable up to 1066MB/s.

To ensure continuous system operation, optionally **hot-swap redundant power supply** and **fans** are supported.

NEC ESM PRO makes your server management easy. With a user-friendly graphical interface, a system administrator can monitor and control system operation from a remote console, and troubleshoot with advanced problem management functions.

NEC EXPRESSBUILDER makes your system installation simple. Just by inserting a single CD-ROM and following a series of user-friendly customization menus, a system administrator can set up and configure the system with ease.

* The PCI slot availability can be changed when the optional riser cards become available.

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Hardware Specification



CPU	Intel® Xeon™ Processor 3.40GHz/3.20GHz/3GHz	
2nd Cache	1MB	
Front Side Bus	800MHz	
No. Of CPU	1-2	
Chipset	Intel E7520	
Intel® Hyper Threading Technology	Supported	
Intel® Extended Memory 64 Technology	Supported	
Memory	Standard	1GB(512MB DDR333 SDRAM DIMM x 2)
	Max	12GB (2GB x 6)
Internal HDD	Max	879B (146.5GB x 6)
	I/O	Ultra 320 SCSI
	RAID	On-board SCSI RAID 0/1 SCSI RAID 5 (option)
	Hot-Plug	Supported
FDD	3.5" x 1	
CD-ROM	X 24, ATAPI	
Network	10/100/1000BASE-T x 2	
Device bays [Free]	1[1] (3.5" bay)	
Disk Drive bays [Free]	6[6]	
Expansion slots	64bit/100MHz PCI-X x 3 ^{*1} 64bit/66MHz PCI-X x 3	
Graphics	Integrated ATI RADEON 7000 (8MB)	

Power supply	Standard: 1, not redundant, 600W Option: up to 2, redundant, hot-swap
Cooling fan	Standard: not redundant Option: Rredundant, hot-swap
External interface	Video x 1, Keyboard/ Mouse x 1 ^{*2} USB2.0 x 4, LAN x 2, SCSI x 1 Serial x 2
Dimension	483Wx817.6Dx87.4H mm (including front bezel)
Weight	21kg (standard), up to 30kg
Support OS	Windows® 2000 Server / Advanced Server Windows® Server 2003, Standard Edition / Enterprise Edition Red Hat Linux

*1 Operate at 66MHz if all the three slots are used.

*2 The key board and mouse can be connected together by using a Y-cable provided with the main unit.

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