



## NEC EXPRESS5800/140Rf-4



### The high-density & performance enterprise server

Scalable performance and expandable capacity with proven enterprise-class reliability for mission-critical enterprise

- High-end rack-optimized enterprise server featuring up to 16 processor cores from the latest Intel® Xeon® MP processor 7300 serie in a 4U server.
- Designed for Space-constrained corporate data centers and service providers which require resource performance (transactional processing data base, virtualization/consolidation/migration, ERP/CRM) for Microsoft® Windows, Linux® and VMware® environments.
- To enhance RAS (Reliability, Availability and Serviceability) functionality, the 140Rf-4 comes bundled with Server remote management suite «EXPRESSSCOPE Engine 2 » and "Dianascope" management software.

**Scalable  
enterprise  
performance**

**Expansive  
capacity**

**Advanced  
administration**

[www.nec-computers.com](http://www.nec-computers.com)

### Hardware Specification

#### Scalable enterprise performance

- Up to **4 Intel® Xeon® Dual/Quad** core CPUs
- **7 PCI Express** slots including 2 Hot Plug
- On-board **RAID 6** technology

#### Expansive capacity

- Up to **128/256GB** DDR2 667 FB-DIMM
- Support **2.5" SAS HotSwap** HDDs
- Quad integrated NIC (2 on MOBO + 2 on I/O Riser)

#### Advanced administration

- Integrated **NEC EXPRESSSCOPE® Engine 2** technology for remote management
- Dedicated LAN for more **secure management operation**
- **ESMPRO Suite** and **ExpressBuilder**, Administration and installation/configuration support tool

<b>CHASSIS</b>	Form Factor 4U Rack	
<b>PROCESSORS</b>	Quad-Core Intel® Xeon® Processor E7300 series (up to 2.93GHz/1333MHz FSB/2x4MB L2 Cache) Dual-Core Intel® Xeon® Processor E7200 series (up to 2.93GHz/1066MHz FSB/8MB L2 Cache) No. of CPU 4 Cache L2 2x 2/3/4MB	
<b>ARCHITECTURE</b>	Intel® 64	Supported
	Chipset	Intel® 7300
	FSB	1066MHz
<b>MEMORY</b>	Type	DDR2-667 FB-DIMM ECC, Chipkill, Mirroring, On-line Sparing
	Standard	1GB
	Max	128/256GB
	Slots	32 DIMM Slots
<b>STORAGE DEVICES</b>	I/F	SAS
	Max capacity	(146GB x8 2,5")10Krpm (73GB x8 2,5")15Krpm
	RAID	On-board RAID, 512MB of cache
	Optional :	RAID 0, 1, 5, 6 Battery Backup Unit
	HotSwap	Standard
<b>MEDIA</b>	FDD	Optional : USB 1.44MB
	ODD	DVD-ROM
<b>BAYS</b>	Device Bays	: 5.25" x1
	Disk Drive Bays	: 2.5" x8 (HotSwap)

<b>I / O SLOTS</b>	Total : 7 slots PCI EXPRESS™ x8 : 4 (2 HotPlug) PCI EXPRESS™ x4 : 3
<b>VIDEO</b>	Video controller is integrated to BMC Video memory : 8 VRAM
<b>NETWORK</b>	Dual Gigabit Ethernet 2 ports Gigabit on I/O riser
<b>I / O PORTS</b>	Display x1, Keyboard / Mouse x1, USB2.0 x6 (2x Front + 4x Rear), Serial x2, Video VGA x2, LAN x4, Management LAN x1
<b>POWER SUPPLY</b>	Standard : 2, redundant, HotSwap Maximum power consumption : 1500VA/1570W Dissipation : 4095 BTU per hour
<b>COOLING FAN</b>	Standard : Redundant, HotSwap
<b>MANAGEMENT</b>	Remote Management : ExpressScope Engine 2 Administration software : ESMPRO Configuration software : ExpressBuilder
<b>SECURITY</b>	2 Level Passwords : yes Front Door : yes Intrusion Detection : yes
<b>PHYSICAL SPECIFICATIONS</b>	Dimensions (mm) : 447W x 706D x 173H Weight : 42kg Acoustics pressure : 55dB
<b>SUPPORT OS</b>	Windows Server™ 2003 R2, Red Hat® Linux™ AS 4.0 (*1) VMware ESX vi3.0
<b>WARRANTY</b>	Standard : 3 years on-site Extensions : 4 hour Response 6 hour Repair Time Commitment

(\*1)Please contact us to get drivers that are not included in tested Linux distributions

