Empowered by Innovation NEC

Powerful entry rack server

NEC Express5800/R110d-1E

RELIABLE, HIGH-PERFORMANCE RACK SERVER FOR PRIVATE DATACENTERS





ENERGY STAR 80 PLUS GOLD intel inside Xeon

- **HIGH PERFORMANCE**
- **ENERGY EFFICIENT**
- **SMART INSTALLMENT**
- **FULL REMOTE MANAGEABILITY**

Value server for private datacenters

The Express5800/R110d-1E is an entry level 1U rack server. This single processor server provides essential features at an affordable price and is designed to ease system deployment.
Perfectly suited for web, file and system management servers.

Advanced system management

NEC Express5800 series servers come standard with a complete remote management suite—EXPRESSSCOPE baseboard management controller and ESMPRO server management software. The suite enables administrators to monitor, control and troubleshoot from a graphical remote console without the need to be onsite. The remote functionalities significantly simplify server management and help proactively maintain server health to maximize availability and operational efficiency for better TCO.

High performance

- Support for Intel® Xeon® Processors (E3-1200 Family)
- Up to 32GB main memory
- Up to 8TB disk space

Energy efficient

- Intelligent fan control to optimize fan rotation and minimize cooling power
- Power capping feature provided as standard to control power consumption for each server
- 80 PLUS® Gold certified power supply for highly efficient AC/DC conversion

Full remote manageability

- Integrated EXPRESSSCOPE Engine 3 technology enables remote control of the system regardless of the type or status of the OS.
- The EXPRESSBUILDER and ESMPRO Suite enables installation, configuration, and remote monitoring with ease.

HARDWARE SPECIFICATION

MODEL	Express5800/R110d-1E
Processors	Number of processor: 1 Intel® Xeon® Processor E3-1270 (3.40 GHz/4-core/8 MB) Intel® Xeon® Processor E3-1220 (3.10 GHz/4-core/8 MB) Intel® Pentium® Processor G630 (2.70 GHz/2-core/3 MB)
Memory	DDR3-1333 unbuffered DIMM Max.: 32 GB (4 x 8 GB)
Maximum storage	3.5-inch SATA: 12 TB (4 x 3 TB) 2.5-inch SAS: 5.4 TB (6 x 900 GB) 2.5-inch SATA: 6 TB (6 x 1 TB) 2.5-inch SSD: 600 GB (6 x 100 GB)
Removable media	1 bay for slimline optical disk drive
Expansion slots	Total: 2 slots 1 PCIe 2.0 x8 (x16 connector) 1 PCIe 2.0 x8 (x8 connector)
Video	Integrated in the Server Management Controller (32 MB)
Network	2 1000BASE-T/100BASE-TX/10BASE-T + 1 100BASE-TX for management
Power consumption	281 VA / 270 Watt (max., at 100 VAC)
System fans	Standard
Management	Remote management: EXPRESSSCOPE Engine 3 (Integrated remote media and KVM over IP) Configuration software: EXPRESSBUILDER Administration software: ESMPRO
Interface	1 VGA, 1 serial, 8 USB2.0 (2 front, 4 rear, 2 internal), 2 1000BASE-T, 1 management LAN
Dimensions (W x D x H) and weight	444.0 x 615.2 x 43.6 mm / 17.5 x 24.2 x 1.7 in (1U) Max.: 18 kg / 39.68 lb
Temperature and humidity condition (non-condensing)	Operating: 10 to 35°C / 50 to 95°F , 20 to 80%* Non-operating: -10 to 50°C / 14 to 122°F, 20 to 80% *** In specific configurations, the operable ambient temperature is raised to 40 degree C**
Operating systems	Microsoft® Windows Server® 2003 R2, Standard Edition (SP2 or later) Microsoft® Windows Server® 2003 R2, Standard x64 Edition (SP2 or later) Microsoft® Windows Server® 2003 R2, Enterprise Edition (SP2 or later) Microsoft® Windows Server® 2003 R2, Enterprise x64 Edition (SP2 or later) Microsoft® Windows Server® 2008 Standard Microsoft® Windows Server® 2008 Standard (x64) Microsoft® Windows Server® 2008 Enterprise Microsoft® Windows Server® 2008 Enterprise (x64) Microsoft® Windows Server® 2008 R2 Standard Microsoft® Windows Server® 2008 R2 Enterprise Red Hat® Enterprise Linux® 5.6 or later Red Hat® Enterprise Linux® 5.6 or later (EM64T)

Note : For Linux support, go to the NEC website at http://www.nec.com/global/prod/express/linux/, or contact our sales representative

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