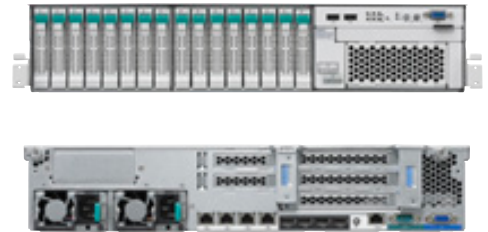


## The flexible compact rack server

# NEC Express5800/R120e-2E

POWERFUL AND ENERGY EFFICIENT SERVERS FOR THE CORE BUSINESS APPLICATIONS



**HIGH PERFORMANCE**

**SUPERIOR ENERGY EFFICIENCY**

**SIMPLIFIED MANAGEABILITY**

### Scalable and Green

The Express5800/R120e-2E provides exceptional performance, scalability, and advanced reliability. In addition, The R120e-2E features large storage and memory capacity, redundant capability, and system management capability to meet your various computing needs. The R120e-2E helps to reduce IT expense with NEC's cooling technology and power management technology which minimizes energy loss.

### Flexible Computing Environment

The Express5800/R120e-2E, an dual-socket 2U rack server built on the latest Intel® Xeon® E5-2400 v2 product family, is designed for memory- and processor-intensive applications. The R120e-2E is perfect for virtualization solutions, database servers and consolidation of business-critical applications which all process high data volumes in the background while running primary tasks.

### High Performance

- Support for the Intel® Xeon® E5-2400 v2 product family providing maximum energy efficiency and performance
- Up to 384 GB memory and 19.2 TB drive capacity - perfect for consolidation of business application servers or desktop virtualization
- RAID controller supporting PCI express 3.0 and LSI CacheVault technology for high I/O throughput and data protection

### Superior Energy Efficiency

- NEC's cooling technology and low power-consumption technologies to minimize power consumption
- Selectable power supply units (450 Watt or 800 Watt) and cold-standby mode to maximize energy conversion efficiency for any size system
- 80PLUS® Titanium and Platinum certified high-efficiency power supply units to help minimizing energy conversion loss

### Simplified Manageability

- Integrated EXPRESSSCOPE Engine 3 technology provides extensive remote management capabilities regardless of the status of the server's power or operating system
- NEC's ESMPRO software suite provides centralized server management capabilities as well as advanced power management

## HARDWARE SPECIFICATION

MODEL	Express5800/R120e-2E
Form factor / height	2U Rack
Number of processors	1 to 2
Processors	Intel® Xeon® Processor E5-2403 v2 (1.80 GHz/4-core/10 MB) Intel® Xeon® Processor E5-2407 v2 (2.40 GHz/4-core/10 MB) Intel® Xeon® Processor E5-2420 v2 (2.20 GHz/6-core/15 MB) Intel® Xeon® Processor E5-2430 v2 (2.50 GHz/6-core/15 MB) Intel® Xeon® Processor E5-2430L v2 (2.40 GHz/6-core/15 MB) Intel® Xeon® Processor E5-2440 v2 (1.90 GHz/8-core/20 MB) Intel® Xeon® Processor E5-2470 v2 (2.40 GHz/10-core/25 MB)
Memory type	DDR3-1600 ECC LV UDIMM, DDR3-1600 ECC LV RDIMM, DDR3-1333 ECC LV RDIMM
Memory slots	12
Maximum memory	384 GB
Storage type	Hot plug 2.5-inch SAS and SATA HDD, Hot plug 2.5-inch SAS SSD
Maximum internal drive bays	8 to 16 with optional drive cage
Maximum internal storage	19.2 TB
Removable media	1 bay for optical drive, 1 bay for internal tape drive
Expansion slots	1 PCIe x8 Gen 3, 2 PCIe x4 Gen 3, 1 PCIe x4 Gen 2, 1 PCIe x1 Gen 2, 1 PCIe x8 Gen 3 for a RAID controller
Video (VRAM)	Integrated in the server management controller (32 MB)
Network	4 1000BASE-T plus 1 100BASE-TX for management
Redundant power supply	Optional, hot plug
Redundant cooling fan	Optional, hot plug
Power supplies	450 Watt, 800 Watt
Systems management	EXPRESSSCOPE Engine 3
Interface	2 VGA, 1 to 2 serial, 6 USB 2.0 (plus 3 internal USB 2.0), 4 LAN, 1 management LAN
Dimensions (W x D x H) and maximum weight	448.0 x 696.3 x 87.4 mm / 17.6 x 27.4 x 3.4 in / 29 kg / 63.93 lbs.
Temperature and humidity conditions (non-condensing)	Operating: 10 to 40° C / 50 to 104° F, 20 to 80%, Non-operating: -10 to 55° C / 14 to 131° F, 20 to 80% * In specific configurations, the operable ambient temperature is up to 35° C/95° F
Operating systems and virtualization software	Microsoft® Windows Server® 2008 Standard / Enterprise Microsoft® Windows Server® 2008 R2 Standard / Enterprise Microsoft® Windows Server® 2012 Standard / Datacenter Microsoft® Windows Server® 2012 R2 Standard / Datacenter Red Hat® Enterprise Linux® 5 Red Hat® Enterprise Linux® 6 VMware® ESX™i 5

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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