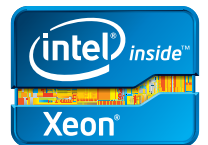


The right-sized application server

NEC Express5800/E120d-1

FLEXIBLE AND ENERGY EFFICIENT SERVERS FOR DATA CENTERS



EXTREME EFFICIENCY

HIGH PERFORMANCE

SUPERIOR SERVICEABILITY

Powerful and Efficient

The Express5800/E120d-1, an innovative rack server, combines outstanding performance, flexibility, and enterprise-class reliability in an ultra-dense design. The E120d-1 provides maximum efficiency and enhanced manageability for your data center infrastructure. The E120d-1 system operates in a 40 degree Celsius (104 degree Fahrenheit) environment to reduce operating expense.

For Hosting Service Providers

The Express5800/E120d-1, an Intel® processor-based dual-socket 1U rack server, is designed for scale-out infrastructures requiring maximum energy efficiency, high performance, and ease of management. The E120d-1 is perfect for the most demanding internet hosting service applications.

Extreme Efficiency

- NEC’s optimized cooling technology supports operation at 40 degree Celsius (104 degree Fahrenheit) minimizes cooling costs
- 80 PLUS® Gold certified power supply and power capping features maximize power efficiency

High Performance

- Supports Intel® Xeon® Processor E5-2400 product family 8-core processor for maximum energy efficiency and performance
- Supports up to 384 GB memory and 16-core processors, which is ideal for any kind of virtual hosting service
- Supports RAID controller featuring CacheCade™ technology and dual-core processors to minimize I/O latency

Superior Serviceability

- EXPRESSSCOPE Engine 3 provides agentless hardware monitoring and alerting capability, and supports remote management features in a secure communication environment
- Includes the ESMPRO suite which enables remote monitoring and group power capping management
- Includes tool-free slide rail kit for simple and easy installation

HARDWARE SPECIFICATION

MODEL	Express5800/E120d-1
Form factor / height	1U Rack
Number of processors	1 to 2
Processors	Intel® Xeon® Processor E5-2407 (2.20 GHz/4-core/10 MB) Intel® Xeon® Processor E5-2430L (2 GHz/6-core/15 MB) Intel® Xeon® Processor E5-2450L (1.80 GHz,/8-core/20 MB)
Memory type	DDR3-1600 ECC LV UDIMM, DDR3-1600 ECC LV RDIMM, DDR3-1066 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
Maximum internal storage	9.6 TB
Removable media	-
Expansion slots	2 PCIe x8 Gen 3
Video (VRAM)	Integrated in the server management controller (32 MB)
Network	2 1000BASE-T plus 1 100BASE-TX for management
Redundant power supply	-
Redundant cooling fan	-
Power supplies	400 Watt
Systems management	EXPRESSSCOPE Engine 3
Interface	2 VGA, 1 to 2 serial, 6 USB 2.0 (plus 3 internal USB 2.0), 2 LAN, 1 management LAN
Dimensions (W x D x H) and maximum weight	444.0 x 615.2 x 43.6 mm / 17.5 x 24.2 x 1.7 in 15 Kg / 33.07 lb
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% <i>* In specific configurations, the operable ambient temperature is up to 35°C/95°F</i>
Operating systems and virtualization software	Microsoft® Windows Server® 2008 Standard / Enterprise Microsoft® Windows Server® 2008 Standard (x64) / Enterprise (x64) Microsoft® Windows Server® 2008 R2 Standard / Enterprise Microsoft® Windows Server® 2012 Standard / Datacenter Red Hat® Enterprise Linux® 5 Red Hat® Enterprise Linux® 6 VMware® ESX™ 4 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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