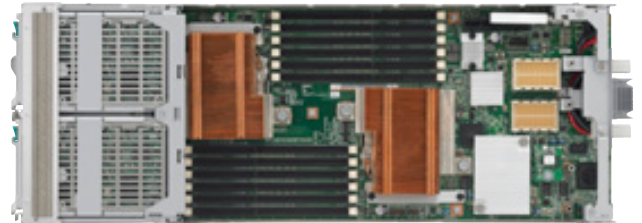


The flexible blade server

NEC Express5800/B120e

POWERFUL AND FLEXIBLE SERVERS FOR THE CORPORATE DATA CENTER



HIGH PERFORMANCE

FLEXIBLE SOLUTION

SIMPLIFIED MANAGEABILITY

Flexible and Dense

The Express5800/B120e, NEC's innovative blade server, enables high-density mounting and combines outstanding performance, flexibility, and reliability. While it is a high-density blade server, the B120e supports configurations with flexible network and storage options to enable system expansion which matches your business growth.

For Optimal Server Operations at Data Center

The Express5800/B120e, an Intel® processor-based dual-socket blade server, is perfect for effortless server operations in the enterprise data center. Designed to work with SigmaSystemCenter, NEC's integrated management software, the B120e achieves autonomous blade system operations and management while achieving high-availability. The B120e is perfect for consolidation of business-critical applications, mid-sized database servers, collaboration servers, and ERP applications.

High Performance

- Support for the latest Intel® Xeon® E5-2400 v2 series 10-core processors for maximum energy efficiency and performance
- Support for up to 384 GB memory, which is ideal for virtualization solutions for business-critical application servers

Flexible Solution

- Flexible storage technology enables optimal system configuration for direct attached storage and storage area network environments
- Flexible integrated NIC technology, either dual 1GbE or dual 10GbE, provides server scalability and flexible network solutions without increasing CAPEX

Simplified Manageability

- EXPRESSSCOPE Engine 3 supports remote management in a secure communication environment without any special software
- EXPRESSBUILDER and ESMPRO suite enable simple installation and efficient centralized system management

HARDWARE SPECIFICATION

MODEL	Express5800/B120e
Form factor / height	Half-height blade
Number of processors	1 to 2
Processors	Intel® Xeon® Processor E5-2403 v2 (1.80 GHz/4-core/10 MB) Intel® Xeon® Processor E5-2430L v2 (2.40 GHz/6-core/15 MB) Intel® Xeon® Processor E5-2430 v2 (2.50 GHz/6-core/15 MB) Intel® Xeon® Processor E5-2450 v2 (2.50 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 SATA SSD
Maximum internal drive bays	2 with drive cage kit
Maximum internal storage	2.4 TB
Expansion slots	1 Type I Mezzanine, 1 Type II Mezzanine, 1 PCIe for a flexible integrated NIC
Video (VRAM)	Integrated in the server management controller (32 MB)
Systems management	EXPRESSSCOPE Engine 3
Interface	1 SUV
Enclosure	Blade Enclosure M, Blade Enclosure H v2
Temperature and humidity conditions (non-condensing)	Operating: 10 to 35 °C / 50 to 95 °F, 20 to 80% Non-operating: -10 to 55 °C / 14 to 131 °F, 20 to 80%
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™ 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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