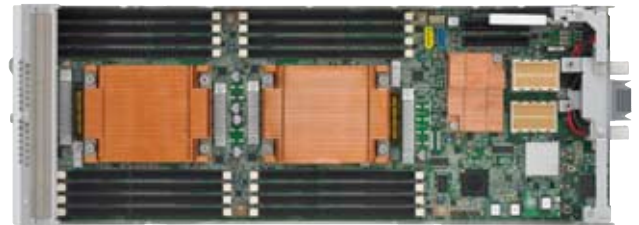


# The enterprise blade server

## NEC Express5800/B120d-h

SCALABLE AND FLEXIBLE SERVERS FOR THE CORPORATE DATA CENTER



**HIGH PERFORMANCE**

**FLEXIBLE SOLUTION**

**SIMPLIFIED MANAGEABILITY**

### Flexible and Dense

The Express5800/B120d-h, NEC's innovative blade server, enables high-density mounting and combines outstanding performance, scalability, and reliability. While it is a high-density blade server, B120d-h supports configurations with larger memory and flexible network options to enable system expansion which matches your business growth.

### For Optimal Server Operations at Data Center

The Express5800/B120d-h, 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 B120d-h achieves autonomous blade system operations and management while achieving high-availability. B120d-h is perfect for the most demanding applications such as virtualization solutions, mid-size database servers, ERP, and consolidation of business-critical applications.

### High Performance

- Support for the latest Intel® Xeon® E5-2600 series 8-core processors for maximum energy efficiency and performance
- Support for up to 512 GB memory, which is ideal for virtualization solutions for business-critical application servers

### Flexible Solution

- Flexible integrated NIC technology, either dual 1GbE or dual 10GbE, provides server scalability and flexible network solutions without increasing CAPEX
- Two 3rd Generation PCIe mezzanine expansion slots to provide flexible connectivity to various network environments

### 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/B120d-h
Form factor / height	Half-height blade
Number of processors	1 to 2
Processors	Intel® Xeon® Processor E5-2630L (2 GHz/6-core/15 MB) Intel® Xeon® Processor E5-2640 (2.50 GHz/6-core/15 MB) Intel® Xeon® Processor E5-2650 (2 GHz/8-core/20 MB) Intel® Xeon® Processor E5-2670 (2.60 GHz/8-core/20 MB)
Memory type	DDR3-1333 ECC LV UDIMM, DDR3-1600 ECC LV RDIMM, DDR3-1066 ECC LV RDIMM
Memory slots	16
Maximum memory	512 GB
Storage type	Non-hot plug 2.5-inch SATA SSD
Maximum internal drive bays	2
Maximum internal storage	200 GB
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® 2003 R2, Standard Edition / Enterprise Edition Microsoft® Windows Server® 2003 R2, Standard x64 Edition / Enterprise x64 Edition Microsoft® Windows Server® 2008 Standard / Enterprise Microsoft® Windows Server® 2008 Standard (x64) / Enterprise (x64) Microsoft® Windows Server® 2008 R2 Standard / Enterprise Red Hat® Enterprise Linux® 5 Red Hat® Enterprise Linux® 6 VMware® ESX™ 4 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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