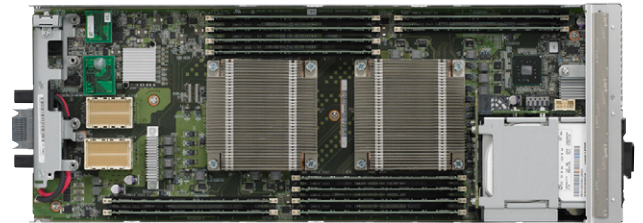


The flexible blade server

NEC Express5800/B120f

POWERFUL AND FLEXIBLE SERVERS FOR THE CORPORATE DATA CENTER



HIGH PERFORMANCE

FLEXIBLE SOLUTION

SIMPLIFIED MANAGEABILITY

Flexible and Dense

The Express5800/B120f, a high-density dual-socket server blade, offers superior performance, reliability and availability. Supporting the new high-performance and energy efficient Intel® Xeon® E5-2600 v3 product family, high speed DDR4-2133 memory and flexible storage connectivity capability, the B120f is ideal for virtualization, database and consolidation of business-critical applications.

Optimal Server and Data Center Operations

The Express5800/B120f enables simplified and unified server operations for the enterprise data center. Supporting vIO Control technology that allows use of logical network addresses assigned to each blade slot, and working with SigmaSystemCenter, NEC's integrated system management software, the B120f provides autonomous system operations and management while achieving high-availability.

High Performance

- Supports the latest Intel® E5-Xeon® 2600 v3 series 16-core processors for maximum energy efficiency and performance
- Supports up to 384 GB memory and 2133 MHz speeds, which is ideal for server consolidation platform 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

- Supports agent-less management capability with EXPRESSSCOPE Engine3 that offers extensive remote management and control capability regardless of the server status
- Supports simplified system operations with SigmaSystemCenter that enables unified system operations including physical and virtual servers, and autonomous system operations based on pre-defined policy rules

HARDWARE SPECIFICATION

MODEL	Express5800/B120f
Form factor / height	Half-height blade
Number of processors	1 to 2
Processors	Intel® Xeon® Processor E5-2609 v3 (1.90 GHz/6-core/15 MB) Intel® Xeon® Processor E5-2630L v3 (1.80 GHz/8-core/20 MB) Intel® Xeon® Processor E5-2640 v3 (2.60 GHz/8-core/20 MB) Intel® Xeon® Processor E5-2660 v3 (2.60 GHz/10-core/25 MB) Intel® Xeon® Processor E5-2690 v3 (2.60 GHz/12-core/30 MB) Intel® Xeon® Processor E5-2698 v3 (2.30 GHz/16-core/40 MB)
Memory type	DDR4-2133 ECC RDIMM DDR4-2133 ECC LRDIMM
Memory slots	12
Maximum memory	384 GB
Storage type	Hot plug 2.5-inch SAS HDD, Hot plug 2.5-inch SAS SSD
Maximum internal drive bays	2
Maximum internal storage	3.6 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 40 °C / 50 to 104 °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 (x86) Microsoft® Windows Server® 2008 Enterprise (x86) Microsoft® Windows Server® 2008 R2 Standard Microsoft® Windows Server® 2008 R2 Enterprise Microsoft® Windows Server® 2012 Standard Microsoft® Windows Server® 2012 Datacenter Microsoft® Windows Server® 2012 R2 Standard Microsoft® Windows Server® 2012 R2 Datacenter 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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