Empowered by Innovation

The powerful blade server
NEC Express5800/B110d

VALUE AND FLEXIBLE SERVERS FOR THE CORPORATE DATA CENTER



HIGH PERFORMANCE

FLEXIBLE SOLUTION

SIMPLIFIED MANAGEABILITY

Flexible and Dense

The Express5800/B110d, 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 B110d 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/B110d, an Intel® processor-based single-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 B110d achieves autonomous blade system operations and management while achieving high-availability. The B110d is perfect for collaboration, small database servers, and system management servers.

High Performance

- Support for the latest Intel® Pentium® 1400 series 2-core processors for maximum energy efficiency and performance
- Support for up to 192 GB memory, which is ideal for small database, collaboration, and system management 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/B110d
Form factor / height	Half-height blade
Number of processors	1 to 2
Processors	Intel® Pentium® Processor 1403 (2.60 GHz/2-core/5 MB)
Memory type	DDR3-1333 ECC LV UDIMM, DDR3-1600 ECC LV RDIMM
Memory slots	6
Maximum memory	192 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 TB
Expansion slots	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

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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