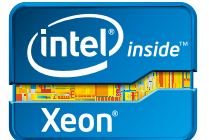
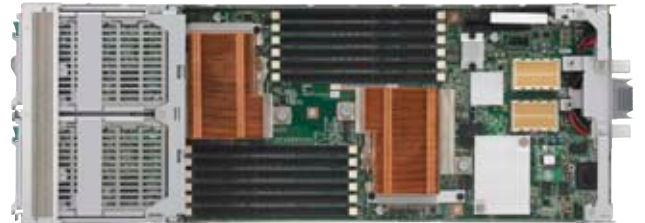


The flexible blade server

NEC Express5800/B120d

POWERFUL AND FLEXIBLE SERVERS FOR THE CORPORATE DATA CENTER



HIGH PERFORMANCE

FLEXIBLE SOLUTION

SIMPLIFIED MANAGEABILITY

Flexible and Dense

The Express5800/B120d, 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 B120d 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/B120d, 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 achieves autonomous blade system operations and management while achieving high-availability. The B120d 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 series 8-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/B120d
Form factor / height	Half-height blade
Number of processors	1 to 2
Processors	Intel® Xeon® Processor E5-2403 (1.80 GHz/4-core/10 MB) Intel® Xeon® Processor E5-2430L (2 GHz/6-core/15 MB) Intel® Xeon® Processor E5-2470 (2.30 GHz/8-core/20 MB)
Memory type	DDR3-1333 ECC LV UDIMM, DDR3-1600 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 and SATA SSD
Maximum internal drive bays	2 with drive cage kit
Maximum internal storage	2 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® 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

©Copyright 2012 NEC Corporation. The information and specifications contained in this publication are subject to modification without prior notice. Microsoft and Windows Server are either registered trademarks or trademarks of Microsoft Corporation in the United States and/or other countries. Intel, Intel Logo, Pentium, Pentium Inside, Xeon, and Xeon Inside are trademarks of Intel Corporation in the U.S. and/or other countries. Linux is a trademark of Linus Torvalds. Red Hat is a registered trademark of Red Hat, Inc. in the U.S. VMware is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions. All other names of products and brands cited are the property of their respective owners. NEC declines all responsibility in the case of photographic or typing errors.



Asia (APAC)
NEC Corporation

7-1, Shiba 5-chome Minato-ku
Tokyo 108-8001 Japan

www.nec.com/express

Europe (EMEA)
NEC France
IT Platform Solutions Division

29, rue des Hautes Pâtures
92737 Nanterre Cedex France
+33 1 46 49 46 49

www.nec-itplatform.com

North America
NEC Corporation of America
Information Technology Group

2880 Scott Blvd.
Santa Clara, CA 95050 U.S.
+1 866 632 3226

www.necam.com/servers