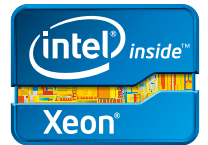


The right-sized network edge server

NEC Express5800/R110e-1E

RELIABLE AND POWERFUL RACK SERVER FOR DATACENTERS



HIGH PERFORMANCE

EXTRAORDINARY EFFICIENCY

SUPERIOR SERVICEABILITY

Flexible and Dense

The Express5800/R110e-1E, a powerful rack server, incorporates outstanding performance, flexibility, and enterprise-class reliability in an ultra-dense chassis. The R110e-1E provides essential features and high-density mounting for your datacenter infrastructure. The R110e-1E operates in a 40 degree Celsius (104 degree Fahrenheit) environment to meet various installation requirements.

For Simplicity, Reliability, and Value

The Express5800/R110e-1E, an Intel® processor-based single-socket 1U rack mount server, is designed for data centers requiring improved reliability, manageability, and value. The R110e-1E is perfectly suited for network edge applications, collaboration, and system management.

High Performance

- Supports the latest Intel® Xeon® E3-1200v2 series 4-core processors for maximum energy efficiency and performance
- Supports up to 32 GB memory and 16 TB drive capacity, which is ideal for network applications.
- Supports RAID controller with a dual-core I/O processor for a significant reduction in I/O latency

Extraordinary efficiency

- NEC's optimized cooling technology supports operation at 40 degree Celsius (104 degree Fahrenheit) and minimizes cooling costs
- 80 PLUS® Gold certified power supply and power capping features maximize power efficiency

Superior Serviceability

- EXPRESSSCOPE Engine 3 enables remote management in a secure communication environment without any additional software
- Includes tool-free slide rail kit for simple and smart installation

HARDWARE SPECIFICATION

MODEL	Express5800/R110e-1E
Form factor / height	1U Rack
Number of processors	1
Processors	Intel® Pentium® Processor G2020 (2.90 GHz/2-core/3 MB) Intel® Xeon® Processor E3-1220Lv2 (2.30 GHz/2-core/3 MB)* Intel® Xeon® Processor E3-1220v2 (3.10 GHz/4-core/8 MB) Intel® Xeon® Processor E3-1265Lv2 (2.50 GHz/4-core/8 MB)* Intel® Xeon® Processor E3-1270v2 (3.50 GHz/4-core/8 MB) * 3.5-inch drive model only
Memory type	DDR3-1600 ECC UDIMM
Memory slots	4
Maximum memory	32 GB
Storage type	Hot plug 2.5-inch SAS and SATA HDD, Hot plug 2.5-inch SAS SSD Non-hot plug 3.5-inch SATA HDD
Maximum internal drive bays	6 2.5-inch with optional drive cage 4 3.5-inch
Maximum internal storage	16 TB
Removable media	1 bay for slimline optical disk drive
Expansion slots	2 PCIe x8 Gen 3* * The slots work at PCIe Gen 2 speeds on Pentium processor systems.
Video (VRAM)	Integrated in the server management controller (32 MB)
Network	2 100BASE-T/100BASE-TX/10BASE-T plus 1 100BASE-TX for management
System fans	Standard
Power supplies	400 Watt
Systems management	EXPRESSSCOPE Engine 3
Interface	1 VGA, 1 to 2 serial, 6 USB 2.0 (plus 2 internal USB 2.0), 2 LAN, 1 management LAN
Dimensions (W x D x H) and maximum weight	444.0 x 615.2 x 43.6 mm / 17.5 x 24.2 x 1.7 in 18 kg / 39.68 lb
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% * In specific configurations, the operable ambient temperature is up to 35°C/95°F
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 Microsoft® Windows Server® 2012 Standard / Datacenter Red Hat® Enterprise Linux® 5 Red Hat® Enterprise Linux® 6 VMware® ESX™i 5* * Xeon processor systems only

Note : For Linux support, go to the NEC website at <http://www.nec.com/global/prod/express/linux/>, or contact our sales representative

©Copyright 2013 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 is not responsible for 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 Enterprise Solutions

Anton Philipsweg 1
1223 KZ Hilversum
The Netherlands
+31 35 6899111

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