

Ultra-compact tower server

NEC Express5800/T110i-S



Key Feature

- Support for the latest Intel® Xeon® E3-1200 v6 product family
- Up to 64 GB of high speed DDR4 memory
- 4 PCIe gen3 slots for various needs and future expansion
- Agent-less management with EXPRESSSCOPE Engine 3
- Wide range of operating ambient temperature from 5 to 48°C (41 to 118°F)

Overview

The NEC Express5800/T110i-S, a reliable single-socket slim tower server, developed with Intel's latest Xeon processors, provides essential server features along with enterprise-class reliability and availability in a small footprint chassis. The T110i-S operates in a 48 degree Celsius (118

degree Fahrenheit) and dusty environments to meet the needs of a variety of businesses. The T110i-S is ideal for branch and remote offices, stores and factories which require installation in limited space.

Features

Powerful Performance

The NEC Express5800/T110i-S delivers enterprise-class features with the embedded NEC EXPRESSSCOPE Engine 3 and optional redundant (hot plug) power supply configuration. Featuring the latest Intel Xeon processor E3-1200 v6 product family with 4 cores, the T110i-S delivers strong application performance.

Compact and Quiet with Heat and Dust Resilience

The Express5800/T110i-S delivers essential server features, flexibility, and enterprise-class reliability in a 13 liter compact chassis, as well as a capability of operation at up to 48 degree Celsius (113 degree Fahrenheit) and optional dust filter to meet a variety of workspace requirements. In addition, NEC's innovative chassis design provides noise reduction for improved productivity.

Operational Cost Savings and Efficiency

NEC's innovative green design concepts and industry leading fan control technology allows the T110i-S to operate at temperatures up to 48°C (118°F), therefore reducing cooling requirements. In addition, hot plug redundant power supplies with cold-standby mode enable further energy savings. Manage easy setup and deployment with NEC EXPRESSBUILDER and leverage easy management with NEC's EXPRESSSCOPE Engine 3 together with NEC ESM PRO. The extensive remote management capabilities untangle the complexities in operating and maintaining the server to alleviate the burden of administrative tasks.

Hardware Specifications

MODEL	NEC Express5800/T110i-S
Form factor / height	Slim Tower / 3U Rack
Number of processors	1
Processors	Intel® Pentium® Processor G4560 (3.5 GHz, 2C/4T, 3 MB) Intel® Xeon® Processor E3-1220 v6 (3.0 GHz, 4C/4T, 8 MB) Intel® Xeon® Processor E3-1225 v6 (3.3 GHz, 4C/4T, 8 MB) Intel® Xeon® Processor E3-1230 v6 (3.5 GHz, 4C/8T, 8 MB) Intel® Xeon® Processor E3-1240L v5 (2.1 GHz, 4C/8T, 8 MB) Intel® Xeon® Processor E3-1260L v5 (2.9 GHz, 4C/8T, 8 MB) Intel® Xeon® Processor E3-1270 v6 (3.8 GHz, 4C/8T, 8 MB)
Memory type	DDR4-2400 ECC UDIMM
Memory slots	4
Maximum memory	64 GB
Storage type	Hot plug 2.5-inch SAS HDD Hot plug 2.5-inch SATA HDD Hot plug 2.5-inch SAS SSD Hot plug 2.5-inch SATA SSD Non-hot plug 3.5-inch SATA HDD
Maximum internal drive bays	6
Maximum internal storage	28.8 TB
Removable media	1 bay for optical drive 2 bay for internal removable drive * * One internal removable drive bay is available in the redundant power supply model
Expansion slots	1 PCIe x16 Gen 3 1 PCIe x4 Gen 3 1 PCIe x2 Gen 3 1 PCIe x1 Gen 3
Video (VRAM)	Integrated in the server management controller (32 MB)
Network	2 1000BASE-T plus 1 1000BASE-T for management
Redundant power supply	Standard, hot plug (except non-redundant power supply model)
System fans	Standard
Power supplies	Non-hot plug: 250 Watt Hot plug: 460 Watt 100-240 VAC ± 10% 50 / 60 Hz ± 3 Hz
Systems management	EXPRESSSCOPE Engine 3
Interface	1 VGA, 1 to 2 serial, 6 USB 3.0 (plus 1 internal USB 3.0), 2 LAN, 1 management LAN
Dimensions (W x D x H) and maximum weight	98.0 x 386.5 x 341.0 mm / 3.9 x 15.2 x 13.4 in 11.5 kg / 25.35 lbs
Temperature and humidity conditions	Operating: 5 to 40 °C / 41 to 104 °F or 5 to 48°C / 41 to 118 °F (Optional), 10 to 85% Non-operating: -10 to 55 °C / 14 to 131 °F, 10 to 85%
Operating systems and virtualization software	Microsoft® Windows Server® 2008 R2 Standard / Enterprise Microsoft® Windows Server® 2012 Standard / Datacenter Microsoft® Windows Server® 2012 R2 Standard / Datacenter Microsoft® Windows Server® 2016 Standard / Datacenter Red Hat® Enterprise Linux® 7 VMware® ESXi™ 6.0 VMware® ESXi™ 6.5 VMware® ESXi™ 6.7

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

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