

The powerful compact tower server

NEC Express5800/T110i



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 is an affordable yet powerful single socket tower server that delivers essential server features, high reliability and great flexibility in a compact design, making it an ideal server for SOHO, SMB, and branch offices of larger enterprises. NEC's excellent build

quality and innovative green technology design allows for high operating temperatures whilst maintaining its high reliability.

Features

Powerful Performance

The NEC Express5800/T110i 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 delivers strong application performance.

Flexible, Versatile and Compact

Manage memory capacity over time with four memory slots supporting up to 64GB of DDR4 memory at 2400 MHz. Flexible storage configuration options are possible with either 4x 3.5 inch or 8x 2.5 inch drive bays. System expansion is enhanced with now 4x PCIe 3.0 slots and 6x external USB 3.0 ports for easy connection of external devices, making it an ideal future proof server for various workloads and computing needs.

Operational Cost Savings and Efficiency

NEC's innovative green design concepts and industry leading fan control technology allows the T110i 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 ESMPRO. 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
Form factor / height	Mini Tower / 4U Rack
Number of processors	1
Processors	Intel® Celeron® Processor G3930 (2.9 GHz, 2C/2T, 2 MB) Intel® Pentium® Processor G4560 (3.5 GHz, 2C/4T, 3 MB) Intel® Core™ i3-7300 Processor (4 GHz, 2C/4T, 4 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 E3-1270 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 Hot plug 3.5-inch SATA HDD Non-hot plug 3.5-inch SATA HDD
Maximum internal drive bays	8
Maximum internal storage	48 TB
Removable media	1 bay for optical drive 2 bays for internal tape drives
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: 500 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	175.0 x 472.0 x 367.0 mm / 6.8 x 18.6 x 14.4 in 19.0 Kg / 41.88 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® 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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