

Ultra-compact tower server

# NEC Express5800/T110h-S



## Key Features

- Support for the latest Intel® Xeon E3-1200 v5 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 improved EXPRESSCOPE Engine 3
- Wide range of operating ambient temperature from 5 to 48°C (41 to 118°F)

## Overview

The NEC Express5800/T110h-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 T110h-S operates in a 48 degree Celsius

(118 degree Fahrenheit) and dusty environments to meet the needs of a variety of businesses. The T110h-S is ideal for branch and remote offices, stores and factories which require installation in limited space.

## Features

### Powerful Performance

The NEC Express5800/T110h-S delivers enterprise-class features with the embedded NEC EXPRESSCOPE Engine 3 and optional redundant (hot plug) power supply configuration. Featuring the latest Intel® Xeon® processor E3-1200 v5 product family with 4 cores, the T110h-S delivers strong application performance.

### Compact and Quiet with Heat and Dust Resilience

The Express5800/T110h-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 T110h-S to operate at temperatures up to 48°C (118°F), therefore reducing cooling requirements. In addition, dual hot plug 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	Express5800/T110h-S
Form factor / height	Slim Tower / 3U Rack
Number of processors	1
Processors	Intel® Pentium® Processor G4400 (3.30 GHz/2-core/3 MB) Intel® Xeon® Processor E3-1220 v5 (3.00 GHz/4-core/8 MB) Intel® Xeon® Processor E3-1230 v5 (3.40 GHz/4-core/8 MB) Intel® Xeon® Processor E3-1240L v5 (2.10 GHz/4-core/8 MB) Intel® Xeon® Processor E3-1260L v5 (2.90 GHz/4-core/8 MB) Intel® Xeon® Processor E3-1270 v5 (3.60 GHz/4-core/8 MB)
Memory type	DDR4-2133 ECC Unbuffered DIMM
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	20 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 (non-condensing)	Operating: 5 to 40 °C / 41 to 104 °F or 5 to 48°C / 41 to 118 °F (Optional), 20 to 80% Non-operating: -10 to 55 °C / 14 to 131 °F, 20 to 80%
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 Red Hat® Enterprise Linux® 6 Red Hat® Enterprise Linux® 7 VMware® ESXi™ 5.5 VMware® ESXi™ 6

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