Orchestrating a brighter world   **NEC**

NEC Express5800/R120h-1M

Entry-level Rack Server Bundle

INCLUDES
5 YEAR
WARRANTY & REMOTE MANAGEMENT

A highly cost-effective entry-level rack for SMB single use case or SMB virtual environments

> Support for the latest Intel® Xeon® Processor Scalable Family
> Up to 3 TB of high speed DDR4 memory
> Five PCIe slots in a 1U form factor
> Agent-less management with integrated management controller

Overview

The Express5800/R120h-1M, a high-density dual-socket 1U rack server, offers outstanding performance, scalability and reliability. Supporting the new high-performance and energy efficient Intel® Xeon® Processor Scalable Family, high speed DDR4-2666 memory, and high performance storage controllers, agent-less management capability, and various redundant options, the R120h-1M delivers an the right balance of performance and features for the workload of large enterprise business.

Features

Distinguished Performance for Enterprise Workload

Featuring the Intel® Xeon® Processor Scalable family with up to 28-core and 38.5 MB cache, up to 3 TB of DDR4 memory, up to 42 TB of storage capacity, the R120h-1M is ideal for the most demanding applications such as virtualization, databases, and ERP systems for medium to large enterprise.

Superior Expandability and Reliability

The Express5800/R120h-1M offers superior expandability and reliability for meeting enterprise business needs. With 24 DIMM slots, 11 2.5-inch drive bays, four standard gigabit NIC ports, and five PCIe slots, the R120h-1M offers superior memory and storage capability, and flexible network connectivity. The redundant storage, fan, and power supply options help improve system uptime.

Cost Savings Through Efficiency

The Express5800/R120h-1M helps to reduce IT expense with NEC's innovative features. Combining intelligent cooling technology, redundant power supplies with cold-standby mode, and 92 percent efficiency, the R120h-1M helps to reduce energy costs. The agent-less remote monitoring feature minimizes administrator time and effort of by allowing staff to monitor and receive server status notifi cations from remote sites without dedicated management software. NEC's unique setup tool, EXPRESSBUILDER, helps reduce the time and effort required for server deployment.

www.nec-enterprise.com

Hardware Specifications

MODEL	**NEC Express5800/R120h-1M**
Form factor / height	1U Rack
Number of processors	1 to 2
Processor	Intel® Xeon® Processor Bronze / 3106(8C/8T, 1.70 GHz, 11MB
Memory type	DDR4-2666 ECC RDIMM / LRDIMM
Memory slots	24
Maximum memory	3 TB / 16GB Included
Storage type	Hot plug 2.5-inch SATA HDD / 2 x 1TB HDD
Maximum internal drive bays	2.5-inch : 11 / 8 Maximum
Maximum internal storage	42 TB
Removable media	1 bay for optical drive
Expansion slots (Standard)	1 PCIe x8 Gen 3 for a dedicated RAID card / Raid Controller 12G (2GB Cache Raid1/5/6)
Video (VRAM)	Integrated in the server management controller (16 MB)
Network	4 1000BASE-T plus 1 1000BASE-T for management
Redundant power supply	Optional
Redundant cooling fan	Optional
Power supplies	500W 80 PLUS® Platinum certified hot plug PSU AC100-120V/200-240V±10%, 50/60Hz±3Hz
Interface	1 VGA,1 serial (optional), 3 to 4USB 3.0 (plus 2 internal USB 3.0), 4 LAN, 1 management LAN
Dimensions (W x D x H)	2.5-inch: 434.6 x 707.0 x 42.9 mm / 17.1 x 27.8 x 1.7 in
Temperature & humidity conditions	Operating: 10 to 35 °C / 50 to 95 °F, 8 to 90%
	Non-operating: -30 to 60 °C / -22 to 140 °F, 5 to 95%
Operating systems & virtualization software	Microsoft® Windows Server® 2012 R2 Standard / Datacenter Microsoft® Windows Server® 2016 Standard / Datacenter Red Hat® Enterprise Linux® 6 Red Hat® Enterprise Linux® 7 VMware® ESXi™ 6.0 VMware® ESXi™ 6.5

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

For further information please contact NEC EMEA or:

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