

# The POWERFUL Departmental Server

## NEC EXPRESS5800/T120b-M

FOR AN ADAPTABLE INFRASTRUCTURE THAT EVOLVES AT THE SAME PACE AS YOUR COMPANY



### OUTSTANDING PERFORMANCE

### RELIABILITY AND COMFORT

### FULL REMOTE MANAGEABILITY

#### High scalability & expandability

NEC Express5800/T120b-M is a dual-socket server available in either a 5U rack or a tower form factor that delivers performance, expandability and full remote manageability for companies willing to maximise their IT investments.

#### Excellent choice for departmental requirements

Specifically designed for Mid size companies, workgroup of large corporations and remote branch offices. Perfectly suited to fully match departmental requirements willing to run Data Bases (ERP/CRM), collaboratives suites and messaging.

#### Advanced system management solution

The NEC Express5800/T120b-M server comes standard with "EXPRESSSCOPE® and ESM PRO™", a complete & improved solution for remote management. This software suite enables remote access functions through a LAN (KVM over IP, Remote media, and graph console), inventories, software and patch deployment, diagnostic and problem resolution via alerts, group management server. This solution provides a full server availability and operation efficiency for a better TCO.

**HARDWARE SPECIFICATION**

**High Performance**

with the latest technology

- Large choice of Intel® Xeon® 32nm Dual/Quad/Six core processors (5600 Series)
- Support of up to 192GB DDR3 Memory
- Storage capacity extended up to 16x 2,5" SAS/SATA Disks (8x Disks maximum in 3,5" form factor)
- High efficient RAID controller (128/256/512MB cache with optional battery backup unit) supporting RAID packs 0,1,10,5,6,10,50

**Reliability and Comfort**

for growing businesses

- High efficient Hotswap redundant power supplies and fans
- Wide choice of optional LTO tape drives

**Full Remote Manageability**

installation, deployment and maintenance

- Integrated ExpressScope Engine2 technology featuring KVM over IP and Remote Media
- ExpressBuilder and ESMPRO Suite enabling simple installation, configuration and remote monitoring
- "Power Limit Control" technology which allows monitoring and remote control of power consumption

MODEL	NEC Express5800/T120b-M
Processors	Number of processors: 1-2 Intel® Xeon® processor X5670 (2.93GHz, 6C/12T, 12MB L3 cache) Intel® Xeon® processor E5640 (2.66GHz, 4C/8T, 12MB L3 cache) Intel® Xeon® processor E5620 (2.40GHz, 4C/8T, 12MB L3 cache) Intel® Xeon® processor E5506 (2.13GHz, 4C/4T, 4MB L3 cache)
Memory	DDR3-1333 Registered DIMM ECC, x4/x8 SDDC, sparing, mirroring Up to 192GB with 12 x 16GB DIMMs
Maximum storage	2.5-inch SAS : 9.6 TB (16 x 600GB) 2.5-inch SATA : 8 TB (16 x 500GB) 2.5-inch SSD : 800 GB (16 x 50GB) 3.5-inch SATA HDD : 16 TB (8 x 2TB) <small>*2.5-inch or 3.5-inch HDD cages are required to mount disk drives</small>
Removable media	1 bay for optical disk drive 2 bays for internal backup devices
Expansion slots	Total: 6 slots available 4 x PCI Express 2.0 (x8 lane, x8 socket) 1 x PCI Express 1.1 (x4 lane, x8 socket) 1 x PCI (32 bit/33MHz)
Video	Integrated in Server Management Controller (32MB)
Network	2 x 1000BASE-T/100BASE-TX/10BASE-T
Power consumption	590VA / 584W (max.)
Redundant power supply	Optional, hot-plug
Redundant cooling fan	Optional, hot-plug
Management	Remote Management: ExpressScope Engine 2 Integrated remote Media and KVM over IP Administration software: ESMPRO management Configuration software: ExpressBuilder
External interfaces	1 x VGA, 1 x keyboard, 1 x mouse, 2 x serial, 4 x USB 2.0 (plus 4 x internal USB 2.0), 2 x LAN, 1 x management LAN
Dimensions (mm) and weight	220.0W x 711.0D x 453.0H* <small>*317.0W x 736.0D x 453.0H (Stabilizer opened, including protruding objects) 5U rack height when installed with the Rack Conversion Kit Max : 36kg</small>
Operating systems	Microsoft® Windows Server® 2003, Standard/Enterprise Editions (SP1 or later) Microsoft® Windows Server® 2003 R2, Standard/Enterprise Editions Microsoft® Windows Server® 2003 R2, Standard/Enterprise x64 Editions Microsoft® Windows Server® 2008 Standard/Enterprise Microsoft® Windows Server® 2008 Standard/Enterprise (x64) Microsoft® Windows Server® 2008 R2 Standard/Enterprise Red Hat® Linux™

Note : For Linux support, go to the NEC website at [www.nec.com/express](http://www.nec.com/express), or contact your local NEC sales office

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