

The Flexible Workgroup Server

NEC EXPRESS5800/T120b-E

DEPENDABLE AND AFFORDABLE TOWER SERVER FOR SMALL TO MEDIUM BUSINESSES



HIGH PERFORMANCE

RELIABILITY AND COMFORT

MANAGEABILITY

The value server for high-growth SMB.

The NEC Express5800/T120b-E is a dual-socket server available in either a 5U rack or a tower form factor that designed to deliver performance, modularity and simplicity for distributed IT and workgroup applications and increasingly changing environments.

Perfectly suited for

Infrastructure servers, workgroup and collaborative suites, applications with local Database/E-mail and File/printing servers.

Economical solution

It offers an optimized design and exceptional energy efficiency to answer current and future needs businesses. The NEC T120b-E is an excellent choice to ensure a flawless reliability; in addition, it offers excellent value for money.

HARDWARE SPECIFICATION

**High Performance
with the latest technology**

- Supports Intel® Xeon® 32nm Dual/Quad core processors (5600 Series)
- Maximum memory capacity up to 192GB DDR3
- Extended storage capacity up to 8 disks SAS 2.5" (maximum 4 disks 3.5")

**Reliability and Comfort
for growing businesses**

- Fixed or redundant power supply
- Large choice of backup solution (LTO, DAT)
- New ultra-efficient RAID controller 128/256 or 512 MB cache with optional battery backup unit) supporting RAID packs 0,1,10,5,6

Manageability

for easy installation, deployment, operations

- Advanced Remote Management Suite with KVM over IP and Remote Media features
- ExpressBuilder and ESMPRO Suite enabling simple installation, configuration and remote monitoring

MODEL	NEC Express5800/T120b-E
Processors	Number of processors: 1-2 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) Intel® Xeon® processor E5503 (2GHz, 2C/2T, 4MB L3 cache)
Memory	DDR3-1333 Registered DIMM ECC, x4/x8 SDDC, sparing*, mirroring *The models adopting Xeon E5503 and E5506 do not support memory sparing Up to 192GB with 12 x 16GB DIMMs
Maximum storage	2.5-inch SAS : 4.8 TB (8 x 600GB) 2.5-inch SATA : 4 TB (8 x 500GB) 2.5-inch SSD : 400 GB (8 x 50GB) 3.5-inch SATA : 8TB (4 x 2TB) *2.5-inch or 3.5-inch HDD cage is required to mount disk drives
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	456VA / 451W (max.)
Redundant power supply	Optional, hot-plug
Redundant cooling fan	Optional, no 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, 1 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	205.0W x 599.0D x 450.0H* *316.0W x 629.0D x 450.0H (Stabilizer opened, including protruding objects, mounting redundant power units) 5U rack height when installed with the Rack Conversion Kit Max: 26kg
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™ VMware®

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

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NEC Corporation

7-1, Shiba 5-chome - Minato-ku - Tokyo 108-8001 - Japan

www.nec.com



**NEC IT Platform Solutions Division
European Headquarters**

10, rue Godefroy - 92821 Puteaux Cedex France

www.nec-itplatform.com

Tel: +33 1 42 91 80 00

Empowered by Innovation

