NEC

Infrastructure Solution "all-in-one"
NEC FlexPower

A SIMPLE, FLEXIBLE SYSTEM THAT PROVIDES EXCEPTIONAL VALUE

intel
Xeon inside
**Puissant.
Intelligent.**

COMPLETE SOLUTION

MODULAR INFRASTRUCTURE

SMB AFFORDABLE OFFER

Simplify complex IT environments

The NEC FlexPower is a complete solution, high added value which integrates storage, computing, and networking to simplify complex IT environments.

Scalability

A business-in-a-box server system with seamless installation, migration, and growth capabilities. It has the ability to support up to six Server Compute Modules and 14 SAS 2.5" hard disk drives, as well as two Ethernet Switch Modules, integrated SAN, and a Management Module.

Flexibility and powerful

A flexible and powerful solution for the small to midsize business. A simple, flexible system that provides exceptional value.

HARDWARE SPECIFICATION

NEC FLEXPOWER

MODEL	NEC FLEXPOWER
CHASSIS CONFIGURATION	• 6U rack mount or pedestal based
FRONT	• Storage drive bay supports 14 hot-swap 2.5» SAS drives • Up to 6 Server Compute Modules
REAR	• One Hot Swap I/O Fan Module • One Management Module • Up to two Ethernet Switch Modules • Up to two Storage Control Modules • Four power supply bays for 3+1 redundancy • Two hot swap fan modules
MID-PLANE	• Connects subsystems to the Management Module • Designed for multiple generations of Server Compute Modules • Provides I/O for the system

STORAGE CONTROL MODULE	• RAID: 0, 1, 1E, 5, 6, 10
	• I/O:
	  - External extended storage mini SAS port
	  - Six internal 3GbPS SAS channels
	• Active-Active redundancy
	• Battery Backup
	• Optional advanced SAN

ETHERNET SWITCH MODULE	**Ports** • Ten external 10/100/1000 GbE full-duplex ports • Twelve internal 1-GbE full-duplex ports **Management** • Port, VLAN, and Advanced Switch Configuration via the Management Module **Layer 2+ features** • ACL, QOS, Link Aggregation, 10K Jumbo Frame support, VLAN support, STP, and RSTP • Non-blocking I/O, wire-speed performance
MANAGEMENT MODULE	**I/O** • External 10/100 Ethernet port • External serial port **Remote Management** • Remote Media • Remote Console
CERTIFIED SERVER APPLICATION	• Oracle 10G • Oracle e-Business Suite • EMC/Netapps/Quantum Storage Devices • MySQL • CommuniGate Pro • Virtual Iron • Symantec Backup Exec 11d using Quantum SAS Tape, Virtual Tape Library (VTL) • Symantec Critical System Protection • Intel® Cluster Ready Windows & Linux solution through
CERTIFIED OS	• Windows Server™ 2003 R2 SP2 (x64, x86) • Windows Server™ 2008 and 2008 R2 (x64, x86) • Red Hat® Linux™ EL 5.x (*) • Novell® SuSe™ SLES 10 SP3 (*) • VMware ESX and ESXi Server 3.5/4.0
TESTED OS *2	• Fedora 8 • Debian R4

MODEL	NEC FLEXPOWER
SERVER COMPUTE MODULE	**Processeurs** • Up to 2 Intel® Xeon® 5500/5600 series. • Chipset : Intel® 5520 chipset and Intel ICH10R • I/S Technologies: Intel® QuickPath Technologie (4.8 GT/s, 5.8 GT/s, and 6.4 GT/s) **Memory** • 12 memory slots supporting the DDR3 memory "registered" or "unbuffered" • Maximum Memory Supported : 96Go • LSI 1064e SAS Controller Integrated **LAN** • Controller Intel 82575EB Gb / s integrated supporting 2 ports Ethernet 10/100/1000 • 2 Ethernet ports 10/100/1000 via optional integrated map mezzanine Vidéo **Integrated Video** • Video Controller Pilot LLC II with 32 MB DDR2 **External Connectors** • 4 USB 2.0 ports • 1 video connector **Internal Connectors** • 1 connector mezzanine I/O supports a optional mezzanine card **Solution** • LUN Copier : Allows duplication of unity Virtual (Backup, Deployment, Test) (optional) • Shared LUN: Allows sharing of virtual drive (optional)
MEZZANINE CARD	• Provides additional dual-channel Ethernet ports • Intel® Modular Server Accessory AXXGBIOMEZ
CHASSIS SIZE	•Height: 10.3 inches (6U) •Width: 17.5 inches •Depth: 28.4 inches •Weight with full configuration: 187 lbs.
CHASSIS POWER REQUIREMENTS	•Up to four 1,000-watt DC output power supply modules with 110-240V AC input •Full system configuration power requirements: 3,000 watts
CHASSIS ACCOUSCAL NOISE EMISSIONS	•Sound power 70 dB maximum
CHASSIS ENVIRONMENT	•Temperature operating: 10°C to 35°C 50°F to 95°F •Temperature non-operating: -40°C to 70°C -40°F to 158°F •Altitude: -30 to 1,500 m -100 to 5,000 ft
CHASSIS SAFETY	• UL60 950, CSA60 950, AS/NZS 3562, GB4943-1995, EN60 950 and 73/23/EEC, IEC 60 950, EMKO-TSE (74-SEC) 207/94, GOST-R 50377-92 •Low noise kit (Active Silencer™) Optional
CHASSIS EMISSIONS	•Certified to FCC Class A; tested to CISPR 22 Class A, EN 55022 Class A and 89/336/EEC, VCCI Class A, AS/NZS 3548 Class A, ICES-003 Class A, GB9254-1998, MIC Notice 1997-42 Class A, GOST-R 29216-91 Class A, BSMI CNS134382

* Please contact us to get Linux drivers that are not included in distribution
*2 Contact us to get latest test report