

# PRIMERGY N800

The enterprise server with 8-way processing power

- Service-friendly Compute Node case with 7 height units
- Maximum performance thanks Intel® Profusion™ technology
- Up to 8 x 550 MHz Intel® Pentium Xeon™ processors with 1 and 2 MB second-level cache
- Up to 32 GB RAM with ECC SDRAM technology
- 4 PCI busses with 10 x 64-bit hot-plug-PCI slots (4 x 66 MHz)
- Hot-replace hard disks, power supplies and fans
- ServerStart and ServerView
- 3-year warranty on system unit
- 5-year spare parts provision
- Year 2000 support



# Technical Data PRIMERGY N800

<b>Type</b>	Intel Pentium® III Xeon™ multiprocessor server
<b>System board</b>	
Microprocessor	Intel Pentium® III Xeon™ with 550 MHz
Number of processors	2 - 8 processors
Data width	64-bit internal and external
Clock rate cache-bus/host bus	550 / 100 MHz
higher clock rates	when available
Second-level cache	1 Mbyte or 2 Mbyte with ECC
RAM	up to 32 Gbyte SDRAM with ECC (standard)
Bus system	PCI 64-bit
<b>Flash-EPROM</b>	BIOS update possible from floppy disk or via LAN
<b>Processor upgrade</b>	
Future Intel Pentium III Xeon processors with Slot 2 (IA32) with higher frequencies	
<b>Interfaces</b>	
2 x RS-232-C (serial, 9-pin), 2 x USB, 1 x Centronics (parallel, 25-pin, EPP/ECP compatible), 2 x PS/2 (keyboard and mouse), 1 x VGA (15-pin), 1 x Ultra2 SCSI (68-pin)	
<b>On-board Controller</b>	
Floppy disk drive	1,44 Mbyte
Dual Ultra2 SCSI	User-accessible drives / external on PCI Local Bus (2 Mbyte)
Graphics Cirrus GD 5446	
<b>Floppy disk drive</b>	3.5", 1.44 Mbyte
<b>CD-ROM</b>	5.25", 40-speed SCSI
<b>Hard disk drive</b>	Ultra2 SCSI
	3.5-inch (1-inch high)
Net capacity	9 / 18 Gbyte hot-replace
Hard disk capacity	max. 36 Gbyte internal
<b>Drive Bays</b>	
for HD drives (hot-replace)	2 x 3.5-inch; 1-inch high
for external drives	1 x 5.25-inch; 1.6-inch high
<b>Slots</b>	10 x PCI (64-bit, hot-plug), of which 4 x PCI (66 MHz) 6 x PCI (33 MHz)
<b>Cooling</b>	
In-line redundant fans (two rows of three)	
<b>Electrical values</b>	
Power supply	
Standard	2 hot-pluggable modules each rated with 750 W
optional	1 redundant module 750 W
System nominal voltage	100-120 / 200-240 V autosense
Frequency	50 - 60 Hz
Apparent power (max.)	1500 W

## Temperatures/noise/dimensions/weight

Ambient temperature	10°C - 35°C (to IEC 721)
Sound pressure level L <sub>pAm</sub>	≤ 57 dB to ISO 9296 (in standard configuration)
Dimensions (H x W x D)	312 x 445 x 712 mm
Rack installation	7 U (height units)
Weight	approx. 60 kg (in full configuration)

## Compliance with standards

Product safety	EN60950/ VDE0805 UL1950, CSA 22.2 No. 950
Radiation and RFI suppression	CE certification to EG Directive 89/336/EEC (EN 55 022 and EN 50 082-2), FCC Class A

## Approvals

There is general compliance with the safety requirements of all European countries and North America. National approvals required in order to satisfy statutory regulations or for other reasons (e.g. for Canada and USA, eastern European countries, Norway) can be applied for on request  
NEMKO for Norway

## Fault tolerance, availability

Hot-plug power supplies and fans; hot-replace hard disks; hot-plug PCI (suitable drivers and operating systems required); ServerView for Windows NT and SCO UnixWare; LocalView for displaying important messages; PDA (Prefailure Detection and Analysing); ASR&R (Automatic Server Reconfiguration and Restart); RemoteView\*; Server-Clustering  
\*) in preparation (Firmware-Upgrade possible)

## ServerView: additional functions

Temperature monitoring of CPU and ambient temperature; nonvolatile memory (SRAM) for at least 50 error messages

## Operating systems / software

### Orderable with

<b>PRIMERGY server</b>	Microsoft Windows NT Server 4.0; Microsoft Windows NT Server 4.0 Enterprise Edition; Microsoft Windows NT Server 4.0 Terminal Server Edition; SCO UnixWare 7.1.0 ServerStart and ServerView
<b>Standard:</b>	

**References:** (HCL = Hardware Compatibility List, as soon as accomplished)

Microsoft software products	HC test and HCL entry, cluster HCL with constant additions (HCL entry for SCO)
SCO UnixWare 7.X	Certificate for server
SAP R/3	MSCS cluster for R/3-Win NT

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