

A Versatile, Highly Serviceable Corporate PC

POWERMATE® ES SERIES



The NEC PowerMate® ES is a manageable corporate PC housed in a convertible chassis. This versatile system enables you to easily modify the orientation of the computer by adjusting the direction of the chassis and external media bays, for deployment as either a desktop or minitower.

Performance is not compromised to gain the benefits of this flexible system. The PowerMate ES Series, powered by Intel® Pentium® III or Celeron™ processors, offers a wide selection of SMART hard drives, memory options, removable media choices, and includes a built-in 3COM® 10/100 Ethernet connection with Wake-On-LAN support. Integrated audio and 2D/3D video completes the PowerMate ES Series package.

PowerMate ES systems come loaded with a suite of corporate manageability software including Norton AntiVirus™ 2000 and Intel LANDesk® Client Manager, assisting IT professionals to support multiple desktop systems across a networked enterprise.

The administration friendly design of the tool-less entry PowerMate ES chassis is readily accessible and easily serviceable, helping manage the total cost of ownership.

PowerMate ES Series – versatile, highly serviceable business computers designed for performance and expandability in a networked environment.

NEC

POWERMATE® ES SERIES TECHNICAL SPECIFICATIONS

PROCESSOR & MEMORY

Processor	Intel® Celeron™ processors – 600MHz Pentium® III processor – 800, 866, 933MHz (faster speeds when available)
Primary Cache (L1)	32KB integrated on processor
Secondary Cache (L2)	128KB (Celeron), 256KB (Pentium III)
Main Memory	64MB minimum, 512MB maximum ¹ 100MHz SDRAM
Memory Sockets	Two 168 pin card edge DIMM sockets (can be populated in any order and in any combination)
Flash ROM	4Mbits Flash Device (AMI BIOS)
Bus Architecture	PCI; host BUS operating at 66MHz, 100MHz, 133MHz (FSB)
Chipset	Intel 810E

STORAGE

Diskette Drive	1.44MB ² standard
Hard Drive Options	10GB ² (5400 rpm), 20GB ² , 30GB ² (7200 rpm) SMART Ultra ATA 66
CD-ROM	40X maximum 17X minimum variable speed ATAPI drive
Optional DVD	12X maximum variable speed ATAPI Drive (with software DVD decoder for Windows 98 and Windows 2000)
Optional Zip Drive	Iomega ZIP drive ATAPI 250MB ²

GRAPHICS

Graphics	Integrated Intel 3D graphics with Direct AGP and 4MB display cache ³
Maximum Resolution	1600 x 1200 on 256 colors 1280 x 1024 on 16 bit & 24 bit true color

INPUT/OUTPUT

Network	Integrated 3Com® 10/100 Ethernet with Wake-On-LAN support Optional PCI Intel Ethernet Pro100+ with Alert-On-LAN support
Optional Modem	3Com data/fax modem 56K ⁴ V.90
Disk Interface	Support for Ultra ATA/66 Mode (66Mbytes/sec) and Ultra ATA/33 Mode, PIO mode 4 transfer up to 14 Mbytes/sec. Separate IDE connections for primary and secondary cables. Independent timing of up to four drives
I/O Connectors	Serial, parallel, VGA, 2 PS/2 port, 2 USB ports, RJ-45 LAN connector, microphone, line-out, line-in; on motherboard - CD in, auxiliary in, telephone in
Keyboard	Enhanced keyboard: 104 keys, 12 function keys, 6 pin mini DIN PS/2 connector
Mouse	Logitech 3D button PS/2 wheel mouse
16-bit Stereo Audio	Integrated i810e supported AC'97 (Intel AC'97 rev 2.1)

POWER MANAGEMENT

APM/ACPI	Advanced Power Management 1.2 with support for IDE drive power down, VESA video power down, inactivity timer, and auto start. ACPI 1.0 Compliant
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EXPANSION

ATX Design	Convertible design, capable of switching between minitower and desktop orientations
Power Supply	235W 115V/230V switch selectable
Bays	7 total 2 external 3.5" (1 available) 2 external 5.25" (1 available) 3 internal 3.5" (2 available)
Expansion Slots	4 PCI
Dimensions	H x W x D: 17.5" x 6.9" x 17.9"

SYSTEM MANAGEMENT

Ease-of-Use	Plug-N-Play compliant, Support PCI version 2.2, NEC Select Install CD
BIOS	DMI 2.3 compliant System Management BIOS 2.1
Desktop Management	Intel LANDesk® Client Manager 6.0 software for remote system management, alerting and asset control
Virus Protection	Norton AntiVirus™ 2000 software
Security	User authentication, system identification, system configuration control, system login events tracking, anti-theft ring, mouse and keyboard anti-theft feature and Kensington lock slot

OPERATING SYSTEM SOFTWARE

Operating System	Microsoft® Windows® 2000, Windows NT® Workstation 4.0, or Windows 98 Second Edition factory installed on the hard drive. Tested and certified Novell® Netware®, Windows 2000, Windows NT Workstation 4.0 & Windows 98. Microsoft PC99 certified
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SERVICE & SUPPORT

Warranty	Three year limited warranty ⁵ with first year limited on-site service ⁶ . 7 x 24 toll-free hardware technical support in USA and Canada for warranty period. 90-day free software support Optional extended service programs with three or five years limited on-site service and next business day response ⁷
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COMPLIANCE

General Domestic	Year 2000 information (see www.nec-computers.com for details) FCC Part 15, Subpart B UL 1950 3 rd Edition C-UL C22.2 No. 950-95
Canadian European	CE EMC Directive 89/336 EEC EN55022:1993 Class B EN50082-1:1997 CE LVD Directive 73/23 EEC EN60950 Meets all requirements in European Waste Regulation Ordinance for packaging and scrap.

¹ To achieve maximum memory configuration, original DIMM modules may need to be replaced.
² When referring to storage capacity, GB stands for one billion bytes and MB stands for one million bytes.
Some utilities may indicate varying storage capacities. Total user-accessible capacity may vary depending on
operating environments.
³ Dynamic Video Memory Technology allocates up to 6MB of video memory for the total available
system memory.
⁴ Download speeds are limited to 53Kbps. Actual speeds may vary depending on line conditions. Uploads travel
at speeds up to 33.6Kbps. Requires compatible digital source.
⁵ For a free copy of the limited warranty, please write to NEC Computers Inc. Attn: Warranty Department,
2371 S. President's Drive, Suite A, West Valley City, Utah 84120
⁶ On-site service is provided by third party authorized service providers and may not be available in some
locations. In those areas in which it is provided, a technician will be dispatched, if necessary, following efforts
to resolve the problem by telephone support.
⁷ Call must be received by 2:00 p.m. local time. Not available in all areas.

NEC Computers Inc. Recommends Windows 2000 Professional for Business.



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