

Comprehensive Manageability in a Universal, Scalable Design

POWERMATE® ES 5200 SERIES



The new PowerMate ES 5200 Series is a complete hardware and software manageability solution that delivers superior performance across your choice of three new compact industrial designs.

Managing your diverse computing environment couldn't be easier or more affordable with the PowerMate ES 5200 system.

Fueled by the latest Intel® Celeron™, Pentium® II and Pentium III processors, you'll efficiently and affordably manage small desktops, desktops, and minitower computers—all with one advanced NLX system platform.

Administration friendly NLX design makes the PowerMate ES 5200 series an ideal fit for a wide range of corporate settings.

Working closely with NEC Japan and Europe, NEC Computer Systems Division has created its "universal" desktop around a formidable blend of technology—starting with NEC's NLX form factor, AGP graphics, and 10/100 Ethernet with Wake-On LAN support. You'll also enjoy 16-bit sound and support for Intel's next-generation processor—all packaged with DMI 2.0-compliant management software.

Accelerate your productivity now and in the years to come with the PowerMate ES 5200 Series. NEC CSD promotes consistency and open standards of base configurations to help protect your investment as you grow.

NEC

POWERMATE® ES 5200 SERIES TECHNICAL SPECIFICATIONS

MODELS

Minimum Configuration	Single 333MHz Intel® Celeron™ processor, 32MB RAM, 4.3GB Ultra DMA 33 EIDE HD, 4MB AGP onboard graphics, onboard 16-bit audio, Intel PRO/100 10/100 ethernet, floppy drive, keyboard, mouse, Microsoft® Windows® 95 or 98
Models	ES 5200-333c, ES 5200-366c, ES 5200-400c, ES 5200-350, ES 5200-400, ES 5200-450, ES 5200-450k, ES 5200-500k

PROCESSOR & MEMORY

Processor	Single Intel Celeron Processor at 333, 366, 400MHz; Pentium® II at 350, 400, 450MHz; Pentium III at 450, 500MHz
Primary Cache (L1)	32KB integrated on processor
Secondary Cache (L2)	512KB (Pentium II/Pentium III), 128KB (Celeron) on S.E.C. (single edge contact) cartridge, 4-way set associative
Main Memory	32MB minimum, 512MB maximum 100MHz SDRAM
Memory Sockets	Two 168 pin card edge DIMM sockets (can be populated in any order and in any combination)
Flash ROM	4Mbit
Bus Architecture	PCI/ISA; host bus operating at either 66MHz or 100MHz (FSB)
Chipset	Intel 440BX

STORAGE

Diskette Drive	1.44MB standard
Hard Drive Options	4.3GB, 8.4GB or 12.9GB (5400RPM), Ultra DMA 33 Enhanced IDE Drive
CD-ROM	32X Maximum/14X Minimum Variable-Speed ATAPI Drive
Optional DVD	4X ATAPI Drive
Optional Removable Storage	Iomega ZIP 100MB LS120 120MB ATAPI Drive
Optional Tape Backup	Seagate Travan 4/8GB Tape Backup (STT-800)

GRAPHICS

Business AGP	Integrated ATI 3D RagePro AGP Graphics Accelerator
Graphic Memory	4MB SGRAM
Maximum Resolution	1280 x 1024 x 24-bit (16.7 million colors)

INPUT/OUTPUT

Network Interface	Integrated Intel PRO/100 NIC with Wake-On LAN support. Optional 3Com 3C905B-TX 10/100 Ethernet
Disk Interface	32-bit PCI bus mastering IDE interface. Support for ATA-33 (Ultra DMA), PIO Mode 4, and ATAPI devices. Dual channels support up to four PCI IDE devices
I/O Connectors	Two serial: DB9 RS-232C 16550 buffered; one parallel: DB25, ECP/EPP; two USB ports; one video: DB15; two audio ports: microphone, line out; one RJ45 Ethernet connector
Keyboard	Enhanced ergonomic keyboard: 104 keys, 12 function keys with palm rest, 6 pin mini DIN connector
Mouse	Microsoft IntelliMouse®
16-bit Stereo Audio	Yamaha YMF740 3D PCI audio; Sound Blaster, Windows Sound System, and MPU401 support. Optional Creative Labs SB Live
Optional Modems	3Com U.S. Robotics® V.90 modem Lucent V.90 PCI Winmodem
Optional Speakers	7 Watt Harman/Kardon external amplified satellite speakers
Optional PC Card Adapter	SCM PC Card Adapter X2P

SERVICE & SUPPORT

Warranty	Three year limited warranty with first year on-site. 7 x 24 toll-free hardware technical support in USA and Canada for warranty period. 90-day free software support. Dedicated corporate technical support line
Warranty Plus	Optional extended warranty program with three year limited on-site service and next business day response

Certain restrictions apply. To obtain a free copy of our limited warranty, call 1-800-632-4525, or write to NEC CSD, Attn: Warranty Department, 8285 West 3500 South, Magna, UT 84044, or see your nearest authorized reseller.



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EXPANSION

NEC NLX Design	NEC's easy-to-service NLX chassis design
Power Supply	200 Watt (Minitower & Desktop), 145 Watt (Small Desktop) 115V/220V switch selectable
MINITOWER	
Bays	6 total: 1 external 3.5" (with floppy drive), 3 external 5.25", and 2 internal 3.5" (1 with hard drive)
Expansion Slots	5 total: 3 PCI, 2 ISA (5 available)
Dimensions	HxWxD: 18.2 in. (462mm) x 7.6 in. (192mm) x 17.43 in. (443mm) Weight: 31lb. minimum configuration
DESKTOP	
Bays	6 total: 1 external 3.5" (with floppy drive), 3 external 5.25", and 2 internal 3.5" (1 with hard drive)
Expansion Slots	4 total: 2 PCI, 1 Shared PCI/ISA, 1 ISA (4 available)
Dimensions	HxWxD: 5.33 in. (135mm) x 17 in. (432mm) x 16.5 in. (419mm) Weight: 25lb. minimum configuration
SMALL DESKTOP	
Bays	3 total: 1 external 3.5" (with floppy drive), 1 external 5.25", and 1 internal 3.5" (1 with hard drive)
Expansion Slots	2 total: 1 PCI, 1 PCI/ISA (2 available)
Dimensions	HxWxD: 3.6 in. (135mm) x 15.5 in. (432mm) x 14.5 in. (419mm) Weight: 19lb. minimum configuration

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 ready
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SYSTEM MANAGEMENT

Ease-of-Use	Plug-N-Play compliant, PCI version 2.1, NEC Select Install CD
BIOS	DMI 2.0 compliant, SM (System Management) BIOS 2.1
Desktop Management	Intel LANDesk® Client Manager software for remote systems management, alerting, and asset control
Health Monitoring	NEC MagicEye™ technology for system health monitoring of temperature, voltage, chassis intrusion alert and S.M.A.R.T. hard drive fault detection
Virus Protection	Network Associates® McAfee VirusScan™ software
Data Protection	Cheyenne Backup Client software ¹ providing proactive data backup prior to hard drive failure detection Protection of unauthorized data access via disabling/enabling of diskette drive and serial/parallel ports
Security	User authentication, system identification, system configuration control, system log-in events tracking, chassis lock tab and Kensington® Security standard connector

OPERATING SYSTEM SOFTWARE

Operating System	Microsoft Windows NT® Workstation 4.0, Windows 95 or 98 factory installed on the hard drive. Tested and certified for Novell® Netware®, Windows NT Workstation 4.0, Windows 95 & 98. Microsoft PC98 certified
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COMPLIANCE

General	Year 2000 Information (see www.nec-computers.com for details)
Domestic	FCC CFR 47 Part 15, Subpart B UL 1950 3rd Edition5
Canadian	C-UL C22.2 No. 950-95 ICES-003 Issue 2, Revision 1
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 Only available on Microsoft Windows 95/98

Specifications and information in this publication are subject to change without notice.