

Bringing Security, Manageability and Flexibility to Network Computing

POWERMATE® 5100N SERIES



Value and comprehensive manageability in a space-saving design.

With NEC PowerMate 5100N Series PCs, you get a cost-effective system specially designed for the requirements of today's networked Windows environments.

The PowerMate 5100N gives you all the manageability and security of a centrally managed PC plus a functional growth path—all at a great value. It has a “semi-sealed” chassis that prohibits unauthorized access via removable storage devices. All software and system upgrading is performed through Intel's LANDesk® Client Manager, which uses your network for local or remote desktop management. However, if your system requirements change down the road, this “semi-sealed” chassis has expansion bays which

are accessible for upgrades. In a vulnerable network environment, the PowerMate 5100N is safeguarded by a host of powerful hardware and software security features. These include S.M.A.R.T. hard drive fault protection, McAfee virus protection, and NEC MagicEye™ technology, which keeps track of the system's temperature, voltage, and other key functions, and alerts the user if there is any intrusion. The PowerMate 5100N is powered by Intel's® new, value-driven Celeron™ processor with integrated cache, for solid performance when running Microsoft® Windows NT® Workstation 4.0, Windows® 95, or Windows 98 operating systems.

In today's enterprise-dominated corporate world, the new NEC PowerMate 5100N Series PCs give you all the networked PC functionality you need for mission-critical, task-focused applications.

NEC

POWERMATE® 5100N SERIES TECHNICAL SPECIFICATIONS

MODELS

NEC NOW

With NEC NOWSM you can choose from a variety of processor speeds, main memory sizes, hard disk drive capacities and network cards. Additional options include audio, Accelerated Graphics Port (AGP) graphics, CD-ROM drive, diskette drive, and fax modem. Each system comes standard with NEC's full software and hardware manageability suite.

Minimum Configuration Single 266MHz Intel® Celeron™ processor, 32MB RAM, 2.1GB Ultra DMA 33 EIDE HD, onboard AGP graphics with 2MB SGRAM, onboard 16-bit audio, 3Com® 3C905B ethernet, keyboard, mouse, Microsoft® Windows® 95

PROCESSOR & MEMORY

Processor	Single Intel Celeron processor at 266MHz (5100N-266), 300MHz (5100N-300), 333MHz (5100N-333a), or Single Intel Pentium II processor at 333MHz (5100N-333)
Secondary Cache (L2)	None (266MHz Celeron processor) 128KB integrated on processor (300MHz, 333MHz Celeron processors) 512KB (333MHz Pentium II processor)
Main Memory	32MB minimum, 256MB maximum SDRAM.
Memory Sockets	32MB/64MB/128MB SDRAM DIMM expandable to 256MB (can be populated in any combination)
Flash ROM	2Mbit
Bus Architecture	PCI/ISA
Chipset	Intel 440EX

STORAGE

Hard Drive	2.1GB, 3.2GB, 4.3GB, 6.4GB, or 8.4GB Ultra DMA 33 EIDE Drive
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REMOVABLE STORAGE

Diskette Drive	None
Optional Diskette Drive	1.44MB, 3.5"
CD-ROM	None
Optional CD-ROM	32X maximum variable-speed ATAPI

GRAPHICS

Standard Graphics	ATI Rage IIC, 64-bit AGP graphics accelerator 2-D and 3-D controller integrated
Graphics Memory	2MB SGRAM
Graphics Option	4MB ATI XPERT@Work™, 64-bit PCI graphics accelerator 2-D and 3-D controller add-in card

INPUT/OUTPUT

Network Interface	Integrated 3Com 3C905-TX-100L 10/100 ethernet with Wake-On LAN support. Optional Intel 10/100 NIC
Disk Interface	32-bit PCI bus mastering IDE interface. High speed Ultra DMA 33 and PIO Mode 4 transfer at a max burst rate of more than 33MB/s. Dual channels support up to four PCI IDE devices
I/O Connectors	One serial: DB9 RS-232C 16550 buffered; one parallel: DB25, ECP/EPP; two USB ports; one video: DB15 (on graphics controller card); three audio ports: microphone, line-in, 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®
Audio	Onboard Crystal 4235, 16-bit stereo
Optional Modem	V.90 U.S. Robotics® 56Kbps* data/fax
Optional Speakers	9 Watt ACS90R external amplified speakers

EXPANSION

NEC IntelliCase	NEC's easy-to-service compact, semi-sealed desktop NLX chassis design
Power Supply	145 Watt, 115V/220V switch selectable
Bays	3 total: 1 external 3.5", 1 external 5.25", and 1 internal 3.5" (1 with hard drive)
Expansion Slots	2 total: 1 PCI, 1 PCI/ISA
Dimensions	HxWxD: 3.6" x 15.5" x 14.5" Weight: 32lb. 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, NEC Select Install CD
BIOS	DMI 2.0 compliant
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	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, and Kensington® Security standard connector.

OPERATING SYSTEM SOFTWARE

Operating System	Microsoft Windows NT® Workstation 4.0, Windows 95 or Windows 98 factory installed on the hard drive. Tested and certified for Novell® Netware,® Windows NT Workstation 4.0, Windows 95 and Windows 98. Microsoft PC '97 certified.
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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 on-site service and next business day response.

COMPLIANCE

General	Year 2000 Compliant (see www.nec-computers.com for details)
Domestic	FCC CFR 47 Part 15, Subpart B
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.

¹Only available on Microsoft Windows 95

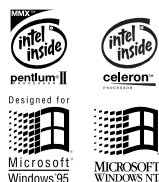
*Capable of receiving at up to 56Kbps and sending at up to 31.2Kbps. Due to FCC regulations, receiving speeds are limited to 53Kbps. Actual speeds may vary. Requires compatible phone line and server equipment. Complies with both the V.90 56K standard and x2 technology protocol. Standard officially determined in February 1998; ratification expected in September 1998.

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For additional information or to order a PowerMate Computer, please contact your
NEC Computer Systems Division sales representative, reseller, or call 1-888-863-2669.
To order online, visit our website at www.necnow.com.