

*Value and Comprehensive Manageability in a Space-Saving Design*

## POWERMATE® 5100 SERIES



**Where Intel's Newest  
Celeron Technology  
And NEC's High-Quality,  
Innovative Hardware  
Come Together—Affordably**

**T**he NEC PowerMate 5100 Series gives your company true Intel® computing power at up to 333MHz—in a cost-effective, management-friendly package. These mainstream business computers are built around the new

Intel® Celeron™ processor, with up to 128KB integrated L2 cache, which has the same P6 architecture as the Pentium® II Processor. This powerful new solution ensures solid performance with Microsoft® Windows NT® Workstation 4.0, Windows® 95, or Windows 98

operating systems. For those seeking higher performance, PowerMate 5100 Series systems can also be configured with a powerful 333MHz Intel Pentium II processor. The PowerMate 5100 Series boasts a comprehensive suite of software manageability tools, including 3Com® 10/100 Ethernet LAN with Wake-On LAN capability integrated on the riser card, for easy remote system

upgrading and maintenance after hours. LANDesk® Client Manager also comes standard, providing local and remote desktop management over a network. These systems come with a long list of advanced components to give you more speed, power, and memory than ever. The PowerMate 5100 Series takes advantage of Accelerated Graphics Port (AGP) architecture on the motherboard, for screaming-fast graphics, as well as a 32X maximum variable-speed CD-ROM drive, high-speed Ultra DMA EIDE hard drives, and 32MB of fast SDRAM DIMM memory, expandable to 256MB. To ensure lower ownership costs, NEC MagicEye™ technology, which monitors temperature, voltage, and other vital functions, is included along with automatic backup and virus protection software. In a world where corporate computing requirements are constantly evolving, the PowerMate 5100 Series gives you the power, flexibility, and manageability you need to meet them—affordably.

**NEC**

# POWERMATE® 5100 SERIES TECHNICAL SPECIFICATIONS

## MODELS

<b>NEC NOW</b>	With NEC NOW™, 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 and fax modem. Each system comes standard with NEC's full software and hardware manageability suite.
<b>Minimum Configuration</b>	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, diskette drive, keyboard, mouse, Microsoft® Windows® 95

## PROCESSOR & MEMORY

<b>Processor</b>	Single Intel Celeron processor at 266MHz (5100-266), 300MHz (5100-300A), or 333MHz (5100-333A) Single Intel Pentium® II processor at 333MHz (5000-333)
<b>Primary Cache (L1)</b>	32KB integrated on processor
<b>Secondary Cache (L2)</b>	Pentium II processor configurations — 512KB Pipeline Burst (1/2 processor speed) Celeron processor 300MHz, 333MHz configurations — integrated 128KB (full processor speed)
<b>Main Memory</b>	32MB minimum, 256MB maximum SDRAM 32MB/64MB/128MB SDRAM DIMM expandable to 256MB
<b>Memory Sockets</b>	Two DIMM sockets (can be populated in any combination)
<b>Flash ROM</b>	2Mbit
<b>Bus Architecture</b>	PCI/ISA
<b>Chipset</b>	Intel 440EX

## STORAGE

<b>Diskette Drive</b>	1.44MB standard
<b>Hard Drive</b>	2.1GB EIDE, 4.3GB EIDE, 6.4GB Ultra DMA 33 EIDE, or 8.4GB Ultra DMA 33 IDE Drive
<b>Optional CD-ROM</b>	32X maximum variable-speed ATAPI Drive

## GRAPHICS

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

## INPUT/OUTPUT

<b>Network Interface</b>	Integrated 3Com 3C905-TX-100L 10/100 Ethernet with Wake-On LAN support. Optional Intel PRO/100 NIC
<b>Disk Interface</b>	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
<b>I/O Connectors</b>	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
<b>Keyboard</b>	Enhanced ergonomic keyboard: 104 keys, 12 function keys with palm rest, 6 pin mini DIN connector
<b>Mouse</b>	Microsoft IntelliMouse®
<b>Audio</b>	Onboard Crystal 4235, 16-bit stereo
<b>Optional Modem</b>	V.90 U.S. Robotics® 56Kbps* data/fax
<b>Optional Speakers</b>	9 Watt ACS90R external amplified speakers

## EXPANSION

<b>NEC IntelliCase</b>	NEC's easy-to-service compact desktop NLX chassis design
<b>Power Supply</b>	145 Watt, 115V/220V switch selectable
<b>Bays</b>	3 total: 1 external 3.5" (with diskette drive), 1 external 5.25", and 1 internal 3.5" (1 with hard drive)
<b>Expansion Slots</b>	2 total: 1 PCI, 1 PCI/ISA
<b>Dimensions</b>	HxWxD: 3.6" (91mm) x 15.5" (394mm) x 14.5" (368mm) Weight: 32lb. minimum configuration

## POWER MANAGEMENT

<b>APM / ACPI</b>	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

<b>Ease-of-Use</b>	Plug-N-Play compliant, NEC Select Install CD
<b>BIOS</b>	DMI 2.0 compliant
<b>Desktop Management</b>	Intel LANDesk® Client Manager software for remote systems management, alerting, and asset control.
<b>Health Monitoring</b>	NEC MagicEye™ technology for system health monitoring of temperature, voltage, chassis intrusion alert and S.M.A.R.T. hard drive fault detection.
<b>Virus Protection</b>	McAfee® VirusScan™ software
<b>Data Protection</b>	Cheyenne Backup Client software <sup>1</sup> 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.
<b>Security</b>	User authentication, system identification, system configuration control, system log-in events tracking and Kensington® Security standard connector.

## OPERATING SYSTEM SOFTWARE

<b>Operating System</b>	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

<b>Warranty</b>	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.
<b>Warranty Plus</b>	Optional extended warranty program with three year 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.

## COMPLIANCE

<b>General</b>	Year 2000 Compliant (see www.nec-computers.com for details)
<b>Domestic</b>	FCC CFR 47 Part 15, Subpart B
<b>Canadian</b>	C-UL C22.2 No. 950-95 ICES-003 Issue 2, Revision 1
<b>European</b>	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.

<sup>1</sup> Only available on Microsoft Windows 95

\* Download speeds are limited to 53Kbps. Actual speeds may vary depending on line conditions. Uploads travel at speeds up to 33.6Kbps. The K56flex protocol is designed only to allow faster downloads from K56flex-compliant digital sources. See www.Lucent.com/micro/K56flex/. Fax modems send at 9600Kbps to standard fax machines and at up to 14.4Kbps to other computer systems with fax capabilities. Compatible service provider required for high-speed downloads.

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