

# NEC



Quality



Connectivity



Latest  
Technology



## NEC POWERMATE ML450

- ⇒ The Latest technology from Intel®
- ⇒ Featuring DDR2 Dual Channel
- ⇒ Ease of manageability
- ⇒ Configurations Built On Demand

The Latest  
Technology for Top  
Performance

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### NEC POWERMATE ML450

#### The Latest Technology for Top Performance

##### PROCESSOR

Intel® Pentium® D 8XX, 9XX family  
 Intel® Pentium® 4 5XX, 6XX family  
 Intel® Celeron® D 3XX family  
 Socket LGA 775  
 2048KB or 4096KB internal for Pentium® D  
 1024KB or 2048KB internal cache for Pentium® 4  
 256KB internal cache for Celeron®D

##### OPERATING SYSTEM

Microsoft® Windows® XP Professional  
 Microsoft® Windows® XP Home

##### MOTHERBOARD ARCHITECTURE

Micro ATX Format  
 Intel® i945G Chipset  
 Processor Bus at 533 / 800MHz

##### BIOS

DMI 2.3 Compatible  
 Upgradeable by flash

##### MEMORY

From 256MB to 4GB DDR2-RAM  
 Memory Speed at 533 and 667MHz  
 ECC not supported  
 4 DDR DIMM slots, Dual Channel supported

##### STORAGE

Optional Floppy Disk 1.44Mb (3.5")  
 Serial ATA II HDD controller (Up to 3GB/s)  
 From 80GB to 400GB SATA 2 Hard Drive 7200rpm

##### OPTICAL DEVICES

CD-ROM 48X  
 DVD-ROM 40X/16X  
 Combo Drive DVD-ROM/CD-RW 48X/24X/48X/16X  
 DVD+R9 Dual Layer Writer 16X

##### VIDEO

Integrated Intel® Graphics Media Accelerator 950®  
 Up to 224MB shared memory  
 Optional ATI Radeon X300SE, 128MB DDR, VGA/DVI, TV Out\*  
 Optional DVI-D BOARD PCI-e 4x\*  
 Optional ATI Radeon X1300 256MB DDR2 (DVI with DVI to VGA adapter + TV out)  
 Optional ATI Radeon X1600XT 256MB DDR3, (DVI with DVI to VGA adapter + TV Out) \* only available in MicroTower chassis

\*Low Profile in Slim chassis

##### SOUND

Integrated, Audio Software Compatible AC97

##### NETWORK

Integrated PCI Express Gigabit network connection with support for Wake On LAN

##### SECURITY

HDD Recovery Tool included (NEC Instant Recovery)  
 2 Level password (Administrator and User)  
 Anti-theft ring  
 Kensington lock hole  
 Anti-theft for keyboard and mouse  
 Intrusion switch  
 Integrated hardware monitoring ASIC  
 Optional Electromagnetic chassis lock

##### I/O PORTS

8 Ports USB 2.0 (4 rear, 2 front, 2 internal)  
 1 serial port + 1 optional  
 1 parallel port ECP/EPP  
 1 mouse port / 1 keyboard port  
 1 SVGA video port  
 Audio In/Out ports: 1 mic in, 1 line in, 1 line out  
 1 RJ45 Port

##### POWER SUPPLY

Slim: 220V AC - 50/60Hz - 250W  
 Desktop: 110/220V AC - 50/60Hz - 250W  
 Micro Tower: 110/220V AC - 50/60Hz - 250W  
 Soft On/Off - Wake On LAN supported

##### PHYSICAL SPECIFICATIONS

Slim: 100 X 407 X 348 mm (W X D X H)  
 Desktop: 370 X 431 X 131 mm (W X D X H)  
 Micro Tower: 181 X 402 X 384 mm (W X D X H)  
 Sizes indicated are in primary usage condition (tower for small form factor)  
 Sizes indicated are overall (includes feet, rear locks, ...)

##### SOFTWARE

Microsoft® Office 2003 Basic, SBE or Pro (optional)  
 McAfee® Manages Anti-virus VirusScan® ASaP (90 days)

##### CERTIFICATIONS

Vendor Certifications: WLP 2.0 compliant  
 Mandriva Linux Certification

##### WARRANTY

3 years on site standard warranty

##### REGULATORY & SAFETY

Regulatory compliance: CE Mark, EN 55022 B, EN 50082-1, EN 60950

##### MONITORS

NEC FC17 Flat Screen (17", VIS 15.7", 0.27mm dp)  
 NEC LCD LC15m with integrated speakers (15", 15" VIS)  
 NEC LCD LC17m with integrated speakers (17", 17" VIS)  
 NEC LCD LH17m Black with integrated speakers and height adjustable feet (17", 17" VIS)  
 NEC LCD LC19m with integrated speakers (19", 19" VIS)  
 NEC LCD LH19m Black with integrated speakers and height adjustable feet (19", 19" VIS)

##### NEC ULTRACARE SOLUTIONS

Various Service Packages available  
 - Desktop installation and deployment  
 - Extended warranties  
 - Data Transfer  
 - Network connection

Please contact us for more information

##### BAYS

**Slim chassis:**

1 X 5.25" External bay  
 1 X 3.5" External bay (FDD in option)  
 1 X 3.5" Internal bay (Used by HDD)

**Desktop chassis:**

2 X 5.25" External bays  
 1 X 3.5" External bay (FDD in option)  
 2 X 3.5" Internal bays (1 used by HDD)

**Micro Tower chassis:**

2 X 5.25" External bays  
 2 X 3.5" External bay (FDD in option)  
 2 X 3.5" Internal bays (1 used by HDD)

##### CONNECTORS

1 PCI Express 16X, 1 PCI Express 1X, 2 PCI (Low Profile in Slim Chassis)

### The Latest Technology for Top Performance

The **POWERMATE ML450** features the latest generation of all integrated **Intel® chipset i945G** and the **new Intel® Pentium® 4 Dual Core** processors support. The **POWERMATE ML450** also integrates **Dual Channel DDR2** and **Gigabit network** for increased performance and accelerated connectivity.



#### Performance

- Intel i945G chipset and Pentium D Dual Core Processor
- Ultra fast DDR 2 RAM
- Powerful Intel GMA950 graphics



#### Connectivity

- PCI-Express 16X and 1X
- Gigabit LAN as standard
- 4x DDR2 DIMM slots



#### Security

- Kensington lock hole
- NEC Instant recovery
- BIOS Password (2 levels)
- Safeboot optional

