NEC Versa® 6200 Series of Notebook Computers

VERSA 6220/30

EXTRAORDINARY POWER FOR LEGEND-MAKING PERFORMERS.

200MHz/233MHz PENTIUM® PROCESSORS WITH MMX™ TECHNOLOGY.

DESKTOP-EQUIVALENT COMPUTING.

DAZZLING 13.3" XGA COLOR DISPLAY.

NEC

Let your imagination soar. Can you conceive of a portable system with such incredible speed and record-shattering performance that it rivals a desktop? A system that, like you, leaves competitors lagging in the dust? Now stop dreaming and see the new reality in notebook computing—the NEC Versa 6220 and Versa 6230.

Extraordinary Power For Legend-Making Performers.

AWARD-WINNING NOTEBOOK

The Versa 6220 and Versa 6230 are the second generation in NEC's flagship Versa 6200 Series.

Following on the success of the NEC Versa 6200MX, which earned the Mobile Computing First Class Award, they attain new heights of speed and performance.[1]

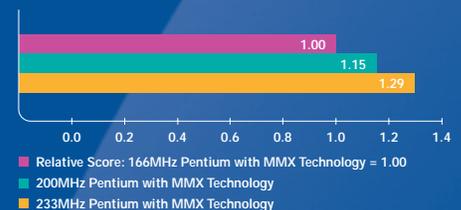**HIGH PERFORMANCE, LOW HEAT**

The astounding velocity of the latest NEC Versa 6200 models is provided by the new Pentium processors with MMX technology—200MHz in the Versa 6220 and 233MHz for the Versa 6230.

AT A GLANCE

- 200MHz or 233MHz Pentium processor with MMX technology
- 13.3" XGA TFT display
- Up to 5.4GB hard drive, expandable up to 10.8GB
- 32MB to 128MB EDO DRAM
- VersaBay™ II slot for storage and power flexibility
- PC 97 compliant
- Complete range of docking solutions

INTEL MEDIA BENCHMARK

1.00	
1.15	
1.29	

0.0   0.2   0.4   0.6   0.8   1.0   1.2   1.4

■ Relative Score: 166MHz Pentium with MMX Technology = 1.00
■ 200MHz Pentium with MMX Technology
■ 233MHz Pentium with MMX Technology

Source: Intel Pentium Processor with MMX Technology 200/233MHz Performance Brief

These are the fastest mobile processors available—up to 29 percent faster than the 166MHz Pentium processor with MMX technology—and enable you to run with the new MMX-enhanced business software.[2]

An added advantage is that the blazing speed is accompanied by significantly lower power consumption. That means longer battery life and a cooler-running notebook for you.

NEC-QUALITY DISPLAY

The incredible power is matched by the second-to-none quality of the display, designed and manufactured by NEC Corporation to its own exacting standards.

The active-matrix screen renders 65,536 brilliant colors at 1024 x 768 resolution and features a NeoMagic® 128-bit 3-D graphics accelerator.

Measuring a huge 13.3" diagonally, this display gives you a viewing area comparable to a 15" desktop monitor.

MEGA MEMORY, STORAGE

To go with this massive screen are the mega-capacity memory and storage you need to manage a challenging workload.

Go with the basic 32MB EDO DRAM or anything up to 128MB. Choose a 2.1GB, 3.0GB, 4.0GB or 5.4GB hard drive. Expand it up to a whopping 10.8GB via the VersaBay II slot.[3]

FLEXIBILITY FOR PRODUCTIVITY

The modular VersaBay II slot provides the flexibility you need to stay productive in or out of the office. This front-mounted bay holds any one of these devices:

1. *20X max CD-ROM*, fastest available in a notebook
2. *1.44MB floppy* disk drive
3. For 120MB media as well as 1.44MB floppies, the *SuperDisk™ LS-120* drive[3]
4. *Iomega® Zip™* drive for 100MB media[3]
5. Second *hard disk drive*
6. Extra *lithium ion battery*

NEW STANDARDS MET

The NEC Versa 6220/30 are compliant with the new PC 97 standard and have been chosen as a development platform for ACPI (Advanced Configuration and Power Interface).

ACPI is the basis for OnNow, an industry initiative for "instantly available" computer systems, systems which appear off but are always on and responding to user or network commands.

What does this mean for you? Your notebook will be able to take full advantage of features built into future Microsoft® operating systems (i.e., Windows® 98 and Windows NT® 5.0).

NOTEBOOK SAFETY SHIELDS

Along with the technology for your future computing needs, the new NEC Versa 6200 notebooks include protection for the here and now.

They're safeguarded by two anti-virus programs, and if you equip your system with a modem, CompuTrace™ software can help to locate it in case of theft. LANDesk® Client Manager, also pre-installed, allows your corporate MIS department to identify problems, inventory assets and more—all remotely.

Should you have a problem with your notebook, UltraCare® service, free for one year with product registration, provides a toll-free, 24-hour hot line and door-to-door courier service.

EXPANDING YOUR NOTEBOOK

Your NEC NOW Systems Consultant can tell you about the full range of accessories available for the Versa 6220/30. Here's a quick rundown on some of the major ones.

The *Docking Station 6000 Plus* features full port replication, four audio ports, a MIDI/game port, stereo speakers, PCI bus architecture, full-length slots for PCI or ISA cards and bays to hold industry-standard add-ons or VersaBay II Paks.

The *MiniDock™ 6000* offers a VersaBay II slot, two PC Card slots and an internal AC adapter. Standard, audio, MIDI/game, USB and external floppy ports are included as well.

The *PortBar™ 6000* is a cost-effective method of connecting desktop peripherals to your notebook in one quick step.

So that you're never out of touch, NEC offers two *56Kbps-capable PC Card modems* for sending and receiving faxes and e-mail messages at the fastest possible speed.

NEC NOW

NEC NOW is an entirely new way of ordering direct. In fact, you'll notice the difference from the moment you call our toll-free number and speak to one of our knowledgeable System Consultants.

More than mere operators, they'll not only answer your call, they'll work closely with you to develop unique solutions to your unique needs. And they have a lot of solutions at their disposal. After all, they're backed by a powerful, worldwide brand with a history of technological innovations.
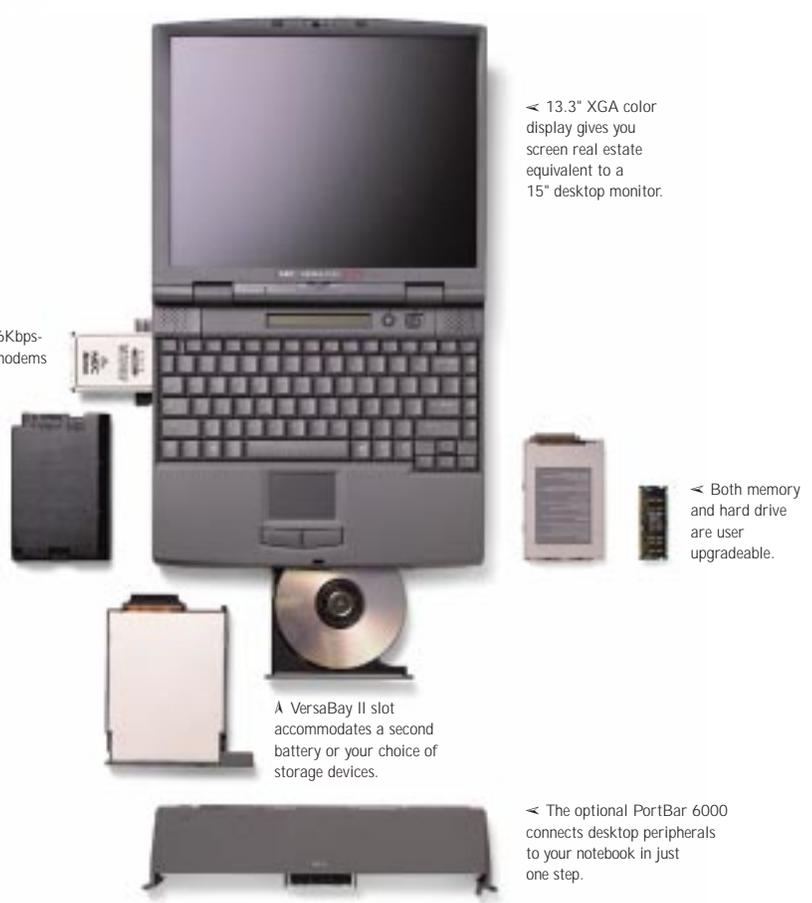
What's more, just because you're ordering direct doesn't mean you have to forsake the way you're currently doing business. If you prefer, you can still order through your reseller, or just have them set up and/or service your equipment.

To place an order or to find your nearest reseller, call NEC NOW at 888-8-NEC-NOW. Operators are not standing by. System Consultants are.

[1] *Mobile Computing & Communications Magazine*, July 1997.
[2] 29 percent faster according to Intel.
[3] 4.0GB HDD, SuperDisk LS-120 drive and Iomega Zip drive available Q4 1997.

➤ 13.3" XGA color display gives you screen real estate equivalent to a 15" desktop monitor.

➤ Two different 56Kbps-capable PC Card modems are available.

➤ On-the-go power is provided by a lithium ion battery.

➤ Both memory and hard drive are user upgradeable.

➤ VersaBay II slot accommodates a second battery or your choice of storage devices.

➤ The optional PortBar 6000 connects desktop peripherals to your notebook in just one step.

NEC VERSA 6220/30 TECHNICAL SPECIFICATIONS

SAMPLE CONFIGURATIONS

Display	Processor	Hard Drive	EDO DRAM	Floppy Drive	CD-ROM	Operating System	Desktop Expansion
13.3" XGA TFT color	233MHz Pentium with MMX technology	5.4GB	128MB	SuperDisk LS-120[1]	20X max	Windows NT 4.0	MiniDock 6000
13.3" XGA TFT color	233MHz Pentium with MMX technology	3.0GB	96MB	1.44MB	20X max	Windows NT 4.0	PortBar 6000
13.3" XGA TFT color	200MHz Pentium with MMX technology	3.0GB	64MB	SuperDisk LS-120[1]	20X max	Windows 95	Docking Station 6000 Plus
13.3" XGA TFT color	200MHz Pentium with MMX technology	2.1GB	32MB	1.44MB	20X max	Windows 95	MiniDock 6000

PROCESSORS

200MHz or 233MHz mobile Pentium with MMX technology
32KB internal cache, 512KB secondary cache, 32-bit PCI and 64-bit CPU architecture, low 1.8 voltage for reduced power consumption

MEMORY

32MB to 128MB EDO DRAM, user upgradeable up to 128MB

STORAGE

User-removable hard disk drive (HDD):
• 2.1GB, 3.0GB, 4.0GB[1] or 5.4GB
• User upgrades up to 5.4GB available
• User upgradeable up to 10.8GB with 5.4GB primary HDD and 5.4GB HDD in VersaBay II slot
Swappable storage Paks via VersaBay II:
• 20X max variable-speed CD-ROM drive included
• 120MB SuperDisk LS-120 Drive Pak[1] or 1.44MB floppy disk drive included
• Iomega Zip Drive Pak[1]
• Hard Disk Drive Cradle Pak (HDD not included)

DISPLAY

13.3" TFT color
XGA (1024 x 768) resolution
65,536 colors
NeoMagic MagicGraph128XD™ 128-bit 3-D graphics accelerator
2MB integrated VRAM
Simultaneous display of external video and LCD

INTERFACE PORTS

Serial, enhanced parallel, SVGA CRT, PS/2®-style keyboard/mouse, USB (universal serial bus), front-mounted IrDA 4Mbps FIR (fast infrared), connector for desktop expansion options, stereo line in, stereo line out, TV out, headphone, microphone

EXPANSION

Industry-standard SO-DIMM memory card slot
Connector for Docking Station 6000 Plus, MiniDock 6000 or PortBar 6000

VERSABAY II

Integrated front-loading bay accommodates these Paks:
• 20X max variable-speed CD-ROM drive
• 1.44MB floppy disk drive
• 120MB SuperDisk LS-120 Drive Pak[1]
• Iomega Zip Drive Pak[1]
• Hard Disk Drive Cradle Pak (HDD not included)
• Lithium Ion Battery Pak

PC CARD SLOTS

Two slots for two Type II Cards or one Type III
32-bit PC CardBus architecture
Zoomed Video support in lower slot
56Kbps-capable PC Card modems available

MULTIMEDIA SUPPORT

MMX technology; 20X max variable-speed CD-ROM drive; Zoomed Video support; full-screen, full-motion MPEG-1 video support with NeoMagic MagicGraph128XD 128-bit 3-D graphics accelerator; 16-bit Sound Blaster® PRO audio compatibility with 3-D spatializer technology; .AVI, .WAV and MIDI playback; two integrated stereo speakers; integrated microphone; volume control dial; FM synthesizer; stereo line-in, stereo line-out, TV-out, headphone, microphone ports

FACTORY-INSTALLED OPERATING SYSTEMS

Windows 95 or Windows NT 4.0
Windows for Workgroups 3.11 available October 1997 as a custom configuration
PC 97 compliant
Meets ACPI (Advanced Configuration and Power Interface) hardware specification

FACTORY-INSTALLED SOFTWARE

Windows 95 models: Adobe® Acrobat® Reader, CompuTrace, LANDesk Client Manager 3.0, LapLink® McAfee® VirusScan,™ McAfee WebScan,™ Mediamatics MPEG ARCADE Pak,™ Microsoft Internet Explorer, Mind Path® Remote Control and Presentation F/X,™ Official Airline Guide, PRODIGY® Internet Service Sampler
Windows NT models: LANDesk Client Manager 3.0, McAfee VirusScan, SystemSoft® CardWizard,™ SystemSoft PowerProfiler,™ XingMPEG Player

USER INTERFACE

VersaGlide™ touchpad: two-finger tap emulates double mouse click, three-finger tap emulates right mouse click, two-finger drag with virtual-edge capabilities emulates mouse click and drag
Full-size 85-key low-profile keyboard, 12 function keys, 3mm stroke, palmrest

DIMENSIONS/WEIGHT

11.7W x 9.9D x 2.3H in./7.9 lb.

AC POWER

AC adapter, 100-240 volts, 50/60 Hz

BATTERY POWER

Lithium ion battery lasts up to 3 hours (depending on configuration and usage)
1.6 hours recharge time with power on or off
Lithium Ion Battery Pak extends battery power
Alarm sounds when battery is running low

POWER MANAGEMENT

Four levels: Airplane Productivity (longest battery life), Airplane Leisure (mid-range conservation), Presentations (custom setting), AC Mode (maximum performance)
ACPI (Advanced Configuration and Power Interface) hardware specification

SECURITY FEATURES

Anti-virus software, security software, Kensington lock slot, power-on password

WARRANTY

Three-year return-to-factory limited warranty
One free year of UltraCare service with registration

VERSA TOOLS™ ACCESSORIES AND SOLUTIONS

Upgrades

16MB Memory Card	OP-410-62502
32MB Memory Card	OP-410-62503
64MB Memory Card	OP-410-62504
2.1GB Hard Disk Drive	OP-220-62008
3.2GB Hard Disk Drive	OP-220-62010
4.0GB Hard Disk Drive[1]	OP-220-62012
5.0GB Hard Disk Drive	OP-220-62011

Expansion

Docking Station 6000 Plus	OP-560-62003
MiniDock 6000	OP-560-62004
PortBar 6000	OP-560-62002
Docking Station 6000 Upgrade Kit	OP-560-62005
Monitor Stand	OP-560-62004-1
Floppy Disk Drive Connector Kit	OP-510-62001
104-Key Keyboard	OP-100-12201
Y-Adapter	OP-510-1201
Videoconferencing Kit[1]	OP-750-62001

VersaBay II

Hard Disk Drive Cradle Pak	OP-540-61002
Lithium Ion Battery Pak	OP-570-62001
SuperDisk LS-120 Drive Pak[1]	OP-230-62001
Iomega Zip Drive Pak[1]	OP-230-62002
VersaBay II Adapter Kit	OP-540-61004

PC Cards

NEC U.S. Robotics® x2™ Technology 56Kbps-Capable Modem[2]	OP-710-4016
NEC 56Kbps-Capable Modem with Videoconferencing Capability[1/3]	OP-710-4017
NEC Xircom® 10Base-T Network Card	OP-720-1201
NEC Xircom 10/100 CardBus Network Card[1]	OP-720-1202

Power

Lithium Ion Battery Pak	OP-570-62001
Battery Charger	OP-570-62002
AC Adapter	OP-520-62001
DC Adapter	OP-520-62002

Carrying Cases

VersaNote™ Compact Case	OP-580-60001
VersaPro™ Multipurpose Case	OP-580-60002
VersaExec™ Leather Case	OP-580-60003

Service

UltraCare Extension	OP-640-7101

UltraCare Extensions for selected docking solutions are also available.

[1] Available Q4 1997.

[2] x2 products are capable of 56Kbps downloads. However, download speeds you experience may go lower due to varying line conditions. Uploads from end-user to service provider travel at speeds up to 28.8Kbps. An x2-compatible analog phone line and an x2-capable service provider are required for these high-speed downloads. See www.usr.com/x2 for details.

[3] Download speeds are limited to 53Kbps. Actual speeds may vary depending on line conditions. Uploads travel at speeds up to 33.6Kbps. Fax modems send at 9600Kbps to standard fax machines and at up to 14.4Kbps to other computer systems with fax capabilities.

Versatile notebooks for versatile people[SM]

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