

For global business

NEC recommends Windows® 7.

VersaPro type VB



(Will be released in December 2011)



Genuine Windows® 7 Professional 32-bit, SP1

2nd generation Intel® Core™ i7 processor

Lightweight & long battery life

Wireless LAN (IEEE802.11 a/b/g/n)

3-year limited warranty

Overview

Excellent portability

VersaPro type VB is light, and weighs only 1.28 kg. Magnesium alloy used in top panel lighten the body and gives the robustness that enables the machine to withstand surface pressure of 150 kgf. Moreover, acceleration sensor and shock-absorbing structure protects HDD.



Useful Interface

VersaPro type VB has a total of three USB ports on both sides. For fast and easy transfer of data, it has an SD memory card slot in the front.



Powered by Intel® Core™ i7 processor

The 2nd generation Intel® Core™ i7 processor provides smart performance by Intel® Turbo Boost Technology 2.0 that allows processor cores to run faster when needed, and Intel® Hyper-Threading Technology that enables each processor core to work on two tasks at the same time.



Genuine Windows® 7 Professional

Genuine Windows® 7 Professional provides a powerful combination of innovation and improved performance. Windows® 7 comes with Internet Explorer® 9 that brings fast and rich web experiences.



Specifications

The following table lists the hardware specifications of VersaPro type VB.
Note that some hardware functions might not be supported, depending on the operating system and application software used.

VersaPro type VB		
Product code	VG17H/BB-D, VC17H/BB-D	
Installed OS	Genuine Windows® 7 Professional 32-bit, SP1. Select from English, Simplified Chinese*1, or Japanese*2.	
CPU	Intel® Core™ i7-2637M processor*3	
Clock speed (when Max turbo frequency)	1.70 GHz (2.80 GHz max.)	
Number of cores/threads	2/4	
L3 cache memory	4 MB	
Memory bus	1333 MHz	
Chipset	Mobile Intel® QM67 Express chipset	
Memory	DDR3-SDRAM PC3-10600, selectable from 2 GB / 4 GB / 8 GB [SO-DIMM slots × 2] 8 GB max.*4	
Display	LCD	12.1" wide TFT LCD (WXGA: 1280 × 800 dots), Max. 16.77M colors*5
	Graphics accelerator	Intel® HD Graphics 3000 (built into CPU)
	Video RAM	Max. 771 MB to 1555 MB
Audio source and sound	Intel® High Definition Audio / Built-in monaural speaker	
Communication	LAN	1000BASE-T/100BASE-TX/10BASE-T; Wake on LAN supported
	Wireless LAN (IEEE 802.11a/b/g/n)*6*7	IEEE 802.11a/b/g/n*8, WPA2, WEP (encryption key length: 64/128 bits (part set by user: 40/104 bits))
	FAX modem*9*19	Modem data transfer speed: 56 kbps max.*10 (V.90); FAX data transfer speed: 14.4 kbps (V.17)
HDD	320 GB*11*12, Serial ATA/300, 5400 rpm, SMART functions supported	
Optical drive	DVD super multidrive / none	
Input devices	Keyboard	English keyboard (Key pitch: 17.55 mm; key stroke: 2.5 mm)
	Pointing devices	Touch pad
Interfaces	USB	USB 2.0 (2 ports on right side and 1 on left)
	Display	Mini D-sub 15 pin × 1
	Communication	RJ45 LAN × 1, RJ11 modular (fax modem) × 1
	Sound	Microphone input: stereo mini jack × 1; headphone/line output: stereo mini jack × 1
Acceleration sensor	Built-in acceleration sensor*13 for drop detection	
PC card slots	Type I/II × 1 slot (type III cannot be used) complying with PC Card Standard and supporting CardBus	
Memory card slot	SD (SDHC/SDXC) memory card slot × 1*14	
Power supply	Battery pack or AC 100 to 240 V ±10%	
Maximum power consumption	Approx. 65 W	
Battery*15	Lithium-ion (M)	3 cells, DC 10.8 V, Typ. 3350 mAh
	Lithium-ion (L)	6 cells, DC 10.8 V, Typ. 6700 mAh
Dimensions (excluding protrusions)	292 (W) × 223 (D) × 29.8 (H) mm	
Weight (including battery)*16	Approx. 1.28 kg*17	
Temperature and humidity conditions	5 to 35°C, 20 to 80% (non-condensing)	
OS for which drivers are supplied	Windows® 7 Enterprise 32-bit (SP1)/Professional 32-bit (SP1)	
Main accessories	AC adapter, user's manual, reinstallation media*18, etc.	
Limited warranty services	3-year regional limited warranty (parts and labor)*, 1-year battery warranty * Services provided by the warranty may vary by country. Limited warranty services are available only in the country of purchase.	

- *1:Simplified Chinese OS models are only sold in China.
- *2:Japanese OS models are not sold in Japan.
- *3:Supports hyperthreading technology.Enhanced Intel SpeedStep® technology driver built in.
- *4:Up to 8 GB of memory can be incorporated, but not all memory area can be used by the OS in a 32-bit version. Even if memory of 4 GB or more is incorporated, only 3 GB can be used by the OS.
- *5:The 16.77M-color display is realized by the dithering features of the graphics accelerator.
- *6:The built-in wireless LAN module has received Wi-Fi® certification from the Wi-Fi Alliance industry group.
- *7:The maximum speed in theory is 300 Mbps for both transmission and reception, but the actual data transfer speed you experience will vary depending on the specifications of the IEEE 802.11n wireless LAN device to be connected.
- *8:The communication speed and distance are affected by the operating environment. IEEE 802.11b/g (2.4 GHz) is not compatible with IEEE 802.11a (5 GHz).
- *9:The communication speed will vary depending on the line conditions. The built-in fax modem can only use general subscriber telephone lines.
- *10:56 kbps is the maximum speed when receiving data. The maximum speed when transmitting data is 33.6 kbps.
- *11:The area that can be used by the customer is 1 partition (which is pre-formatted to NTFS). Also, about 8 GB of the HDD is used to store the backup image for reinstallation.
- *12:Supports the acceleration sensor incorporated in this product.
- *13:This feature is designed to reduce the possibility of damage to the HDD if the computer is dropped; it does not guarantee absolute protection.
- *14:Does not support copyright protection. A SDIO card cannot be used.
- *15:The battery drive time and charging time might vary from the figures given here, depending on the usage conditions. The battery pack degrades over time.
- *16:When no optical drive is attached and PC and SD cards are not inserted.
- *17:This is the weight in the lightest configuration. The weight increases as follows: by about 130 g when a lithium-ion battery is included; by about 120 g when an optical drive is included.
- *18:An optical drive is required to use the reinstallation media.
- *19:See the website for details about the fax modem.
<http://www.nec.com/bpc/global/vb/>


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A standard notebook computer with HDMI and a range of other interfaces is also available.

For more information, see the VersaPro type VX catalog.



The contents in this catalog are current as of November 2011.