

ASUS N56VB-MPR1-H laptop Intel® Core™ i5 i5-3230M
Computadora portátil 39.6 cm (15.6") Full HD 6 GB DDR3-SDRAM
750 GB Unidad de disco duro NVIDIA® GeForce® GT 740M
Windows 8 Negro, Plata

Marca : ASUS

Código del producto: N56VB-MPR1-H

Nombre del producto : N56VB-MPR1-H

Intel Core i5-3230M (3M Cache, up to 3.20 GHz), Intel HM76 Express, 6 GB DDR3 1600 MHz SDRAM, 750GB SATA HDD 5400 rpm, 15.6" FHD (1920x1080, 16:9) EWW LED, NVIDIA GeForce GT 740M 2GB, Blu-Ray DVD Combo, 3 -in-1 card reader, WLAN 802.11 b/g/n, BT 4.0, Gigabit Ethernet, USB 3.0, VGA, HDMI, 5200 mAh, HD Web Camera, 2.7 kg, Windows 8 64-bit

ASUS N56VB-MPR1-H. Tipo de producto: Computadora portátil, Factor de forma: Concha. Familia de procesador: Intel® Core™ i5, Modelo del procesador: i5-3230M, Frecuencia del procesador: 2.6 GHz. Diagonal de la pantalla: 39.6 cm (15.6"), Tipo HD: Full HD, Resolución de la pantalla: 1920 x 1080 Pixeles. Memoria interna: 6 GB, Tipo de memoria interna: DDR3-SDRAM. Capacidad total de almacenaje: 750 GB, Unidad de almacenamiento: Unidad de disco duro, Tipo de unidad óptica: Blu-Ray DVD Combo. Sistema operativo instalado: Windows 8. Color del producto: Negro, Plata



Design		Software	
Product type *	Laptop	Operating system architecture	64-bit
Product colour *	Black, Silver	Operating system installed *	Windows 8
Form factor *	Clamshell	Processor special features	
Display		Intel® Wireless Display (Intel® WiDi)	✓
Display diagonal *	39.6 cm (15.6")	Intel® My WiFi Technology (Intel® MWT)	✓
Display resolution *	1920 x 1080 pixels	Intel Smart Connect Technology	✗
Touchscreen *	✗	Intel® Anti-Theft Technology (Intel® AT)	✓
HD type	Full HD	Intel® Rapid Start Technology	✗
LED backlight	✓	Intel® Smart Response Technology	✗
Native aspect ratio	16:9	Intel® Identity Protection Technology (Intel® IPT)	✓
Display surface	Gloss	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Processor		Intel® Turbo Boost Technology	2.0
Processor manufacturer *	Intel	Intel® Small Business Advantage (Intel® SBA)	✗
Processor family *	Intel® Core™ i5	Intel® Matrix Storage Technology (Intel® MST)	✗
Processor generation	3rd gen Intel® Core™ i5	Intel® High Definition Audio (Intel® HD Audio)	✗
Processor model *	i5-3230M	Intel® Active Management Technology (Intel® AMT)	✗
Processor cores	2	Enhanced Intel SpeedStep Technology	✓
Processor threads	4	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor boost frequency	3.2 GHz	Intel Clear Video Technology	✗
Processor frequency *	2.6 GHz	Intel® InTru™ 3D Technology	✓
System bus rate	5 GT/s		
Processor cache	3 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1023		
Processor lithography	22 nm		
Processor operating modes	64-bit		
Processor series	Intel Core i5-3200 Mobile series		
Processor codename	Ivy Bridge		

Processor		Processor special features	
Bus type	DMI	Intel® Insider™	✓
FSB Parity	✗	Intel® Quick Sync Video Technology	✓
Stepping	L1	Intel Flex Memory Access	✓
Thermal Design Power (TDP)	35 W	Intel® Smart Cache	✓
Tjunction	105 °C	Intel® AES New Instructions (Intel® AES-NI)	✓
Maximum number of PCI Express lanes	16	Intel Trusted Execution Technology	✗
PCI Express slots version	3.0	Intel Enhanced Halt State	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel VT-x with Extended Page Tables (EPT)	✓
CPU multiplier (bus/core ratio)	26	Intel Demand Based Switching	✗
ECC supported by processor	✗	Intel® Secure Key	✓
Memory		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Internal memory *	6 GB	Intel 64	✓
Internal memory type	DDR3-SDRAM	Execute Disable Bit	✓
Memory clock speed	1600 MHz	Idle States	✓
Memory form factor	SO-DIMM	Thermal Monitoring Technologies	✓
Memory slots	2x SO-DIMM	Processor package size	31 x 24 (BGA1023)
Maximum internal memory *	16 GB	Supported instruction sets	AVX
Storage		Processor code	SR0WX
Total storage capacity *	750 GB	CPU configuration (max)	1
Storage media *	HDD	Embedded options available	✗
Number of HDDs installed	1	Graphics & IMC lithography	22 nm
HDD capacity	750 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✗
HDD interface	SATA III	Intel Identity Protection Technology version	1.00
HDD size	2.5"	Intel Secure Key Technology version	1.00
Optical drive type *	Blu-Ray DVD Combo	Intel Virtualization Technology (VT-x)	✓
Card reader integrated	✓	Intel Dual Display Capable Technology	✓
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD	Intel FDI Technology	✓
Graphics		Intel Rapid Storage Technology	✗
Discrete graphics card model *	NVIDIA® GeForce® GT 740M	Intel Fast Memory Access	✓
Discrete graphics card memory	2 GB	Processor ARK ID	72056
Discrete graphics memory type	GDDR3	Conflict-Free processor	✓
On-board graphics card *	✓	Integrated 4G WiMAX	✓
Discrete graphics card *	✓	Battery	
On-board graphics card family	Intel® HD Graphics	Number of battery cells	6
On-board graphics card model *	Intel® HD Graphics 4000	Battery capacity	5200 mAh
On-board graphics card base frequency	650 MHz	Battery capacity *	56 Wh
On-board graphics card dynamic frequency (max)	1100 MHz	Power	
On-board graphics card ID	0x166	AC adapter power	90 W
Number of discrete graphics cards installed	1	AC adapter frequency	50 - 60 Hz
Maximum resolution	3840 x 2160 pixels	AC adapter input voltage	100 - 240 V
Graphics card Open GL support	✓	AC adapter output current	4.74 A
Audio		AC adapter output voltage	19 V
Audio system	SonicMaster Premium	DC-in jack	✓
Number of built-in speakers	2	Security	
Speakers manufacturer	Bang & Olufsen	Cable lock slot	✓
Built-in microphone	✓	Cable lock slot type	Kensington
Camera		Password protection	✓
Front camera	✓	Password protection type	BIOS, HDD
Network		Certificates	
Wi-Fi	✓		
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)		
Ethernet LAN	✓		

Network		Certificates	
Ethernet LAN data rates	10,100,1000 Mbit/s	Compliance certificates	RoHS
Bluetooth	✓	Certification	UL, TUV, MIC, CE, BSMI, Australia C-TICK / NZ A-Tick, CCC, GOST-R, CB, EPEAT, EU Flower, CECp, WEEE, Erp 2013, JATE
Ports & interfaces			
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Sustainability	
Ethernet LAN (RJ-45) ports	1	Sustainability certificates	ENERGY STAR
HDMI ports quantity *	1	Weight & dimensions	
DVI port	✗	Width	380 mm
VGA (D-Sub) ports quantity	1	Depth	255 mm
Headphone outputs	1	Height (front)	2.72 cm
S/PDIF out port	✗	Height (rear)	3.24 cm
Microphone in	✓	Weight *	2.7 kg
Docking connector	✗	Packaging content	
ExpressCard slot	✗	AC adapter included *	✓
CardBus PCMCIA slot type	✗	Warranty card	✓
SmartCard slot	✗	Other features	
Performance		Maximum internal memory (64-bit)	16 GB
Motherboard chipset	Intel HM76 Express		
Keyboard			
Numeric keypad *	✓		
Island-style keyboard	✓		
Full-size keyboard	✓		
Windows keys	✓		

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