

ASUS VivoPC VC60-B022M Intel® Core™ i3 i3-3110M 4 GB DDR3-SDRAM 500 GB HDD FreeDOS Small Desktop Mini PC Black

Brand : ASUS

Product family: VivoPC

Product code: 90MS0021-M00890

Product name : VC60-B022M

Intel Core i3-3110M (3M Cache, 2.40 GHz), 4GB DDR3, 500GB HDD, Intel HD 4000, Gigabit Ethernet, 802.11a/b/g/n/ac, 4 x USB 3.0, 2 x USB 2.0, HDMI, mini DP, 65 W, 970 g, Black, Free DOS
ASUS VivoPC VC60-B022M. Processor frequency: 2.4 GHz, Processor family: Intel® Core™ i3, Processor model: i3-3110M. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 500 GB, Storage media: HDD, Card reader integrated. On-board graphics card model: Intel® HD Graphics 4000. Operating system installed: FreeDOS. Power supply: 65 W. Chassis type: Small Desktop. Product type: Mini PC. Product colour: Black



Processor		Design	
Processor manufacturer *	Intel	Cable lock slot	✓
Processor family *	Intel® Core™ i3	Cable lock slot type	Kensington
Processor generation	3rd gen Intel® Core™ i3	Product colour *	Black
Processor model *	i3-3110M	Performance	
Processor cores	2	Motherboard chipset	Intel HM76 Express
Processor threads	4	Audio system	SonicMaster
Processor frequency *	2.4 GHz	Product type *	Mini PC
Processor socket	BGA 1023	Software	
Processor cache	3 MB	Operating system installed *	FreeDOS
Processor cache type	Smart Cache	Processor special features	
System bus rate	5 GT/s	Intel® Wireless Display (Intel® WiDi)	✓
Bus type	DMI	Intel 64	✓
FSB Parity	✗	Enhanced Intel SpeedStep Technology	✓
Processor lithography	22 nm	Embedded options available	✗
Processor operating modes	64-bit	Intel® InTru™ 3D Technology	✓
Processor series	Intel Core i3-3100 Mobile Series	Intel® Insider™	✓
Processor codename	Ivy Bridge	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Thermal Design Power (TDP)	35 W	Intel Clear Video Technology	✗
Tjunction	90 °C	Intel VT-x with Extended Page Tables (EPT)	✓
PCI Express slots version	2.0	Idle States	✓
Maximum number of PCI Express lanes	16	Thermal Monitoring Technologies	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel® AES New Instructions (Intel® AES-NI)	✗
Number of processors installed	1	Intel Trusted Execution Technology	✗
Stepping	L1	Execute Disable Bit	✓
CPU multiplier (bus/core ratio)	24	Intel FDI Technology	✓
Maximum internal memory supported by processor	32 GB		
Memory types supported by processor	DDR3-SDRAM, DDR3L-SDRAM		
Memory clock speeds supported by processor	1333,1600 MHz		

Processor		Processor special features	
Memory bandwidth supported by processor (max)	25.6 GB/s	Intel Flex Memory Access	✓
ECC supported by processor	✗	Intel Fast Memory Access	✓
Memory		Intel® Smart Cache	✓
Internal memory *	4 GB	Intel Enhanced Halt State	✓
Maximum internal memory *	16 GB	Intel Demand Based Switching	✗
Internal memory type	DDR3-SDRAM	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory slots	2x SO-DIMM	Processor package size	37.5 x 37.5 (rPGA988B); 31 x 24 (BGA1023)
Memory clock speed	1600 MHz	Supported instruction sets	AVX
Memory channels	Dual-channel	Processor code	SR0N2
Storage		CPU configuration (max)	1
Total storage capacity *	500 GB	Graphics & IMC lithography	22 nm
Storage media *	HDD	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Number of HDDs installed	1	Intel Identity Protection Technology version	1.00
HDD capacity	500 GB	Intel Virtualization Technology (VT-x)	✓
HDD interface	SATA II	Intel Dual Display Capable Technology	✓
HDD size	2.5"	Intel Rapid Storage Technology	✗
Card reader integrated	✓	Processor ARK ID	65700
Compatible memory cards	MMC, SD	Intel® Smart Response Technology	✗
Graphics		Intel® Rapid Start Technology	✗
On-board graphics card *	✓	Intel® Turbo Boost Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel Smart Connect Technology	✗
On-board graphics card model *	Intel® HD Graphics 4000	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
On-board graphics card base frequency	650 MHz	Intel® Quick Sync Video Technology	✓
On-board graphics card dynamic frequency (max)	1000 MHz	Intel® My WiFi Technology (Intel® MWT)	✓
Number of displays supported (on-board graphics)	3	Intel® Identity Protection Technology (Intel® IPT)	✓
On-board graphics card ID	0x166	Intel® Anti-Theft Technology (Intel® AT)	✓
Network		Conflict-Free processor	✓
Ethernet LAN *	✓	Integrated 4G WiMAX	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Power	
Cabling technology	10/100/1000Base-T(X)	Power supply *	65 W
Wi-Fi *	✓	Weight & dimensions	
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Width *	190 mm
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Depth *	190 mm
Wake-on-LAN ready	✓	Height *	56.2 mm
Ports & interfaces		Weight *	970 g
USB 2.0 ports quantity *	2	Packaging content	
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Mouse included	✓
DVI port	✗	Keyboard included	✓
HDMI ports quantity *	1	Cables included	AC
Mini DisplayPorts quantity	1	Manual	✓
Ethernet LAN (RJ-45) ports	1	Display	
Microphone in	✓	Display included *	✗
Headphone outputs	1	Design	
S/PDIF out port	✓	Chassis type *	Small Desktop
DC-in jack	✓	Placement supported	Horizontal
		Water cooling system	✗

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