

ASUS ROG G20CB-DE008T PC Intel® Core™ i7 i7-6700 16 GB DDR4-SDRAM 1.25 TB HDD+SSD NVIDIA® GeForce® GTX 980 Windows 10 Home Tower Black, Red

Brand : ASUS

Product family: ROG

Product code: G20CB-DE008T

Product name : G20CB-DE008T

Intel Core i7-6700 (8M Cache, 3.4GHz), 16GB RAM, 1000GB HDD, 256GB SSD, Intel HD Graphics 530, NVIDIA GeForce GTX 980, Windows 10

ASUS ROG G20CB-DE008T. Processor frequency: 3.4 GHz, Processor family: Intel® Core™ i7, Processor: i7-6700. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2133 MHz. Total storage capacity: 1.25 TB, Storage media: HDD+SSD, Optical drive: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 530, Discrete graphics card model: NVIDIA® GeForce® GTX 980. Operating system installed: Windows 10 Home, Operating system architecture: 64-bit. Form factor: Tower. Product type: PC



Processor		Performance	
Processor manufacturer *	Intel	Chipset	Intel® H170
Processor family *	Intel® Core™ i7	Product type *	PC
Processor generation	6th gen Intel® Core™ i7	Software	
Processor *	i7-6700	Operating system architecture	64-bit
Processor number of cores	4	Operating system installed *	Windows 10 Home
Processor threads	8	Processor special features	
Processor boost frequency	4 GHz	Intel® Small Business Advantage (Intel® SBA)	✓
Processor frequency *	3.4 GHz	Intel Wireless Display (WiDi) Technology	✓
Processor socket	LGA 1151 (Socket H4)	Intel 64	✓
Processor cache	8 MB	Enhanced Intel SpeedStep Technology	✓
Processor cache type	Smart Cache	Embedded options available	✓
System bus data transfer rate	8 GT/s	Intel® Built-in Visuals Technology	✓
Bus type	DMI3	Intel® InTru™ 3D Technology	✓
FSB Parity	✗	Intel® Insider™	✓
Processor lithography	14 nm	Intel Clear Video HD Technology	✓
Processor operating modes	64-bit	Intel Clear Video Technology	✓
Processor series	Intel Core i7-6700 Desktop series	Intel VT-x with Extended Page Tables (EPT)	✓
Processor codename	Skylake	Intel TSX-NI	✓
Thermal Design Power (TDP)	65 W	Idle States	✓
Tcase	71 °C	Thermal Monitoring Technologies	✓
PCI Express slots version	3.0	Intel Stable Image Platform Program (SIPP)	✓
Maximum number of PCI Express lanes	16	Intel AES New Instructions	✓
PCI Express configurations	2x8, 1x8+2x4, 1x16	Intel® Secure Key	✓
Number of processors installed	1		
Stepping	R0		
Maximum internal memory supported by processor	64 GB		
Memory types supported by processor	DDR3L-SDRAM, DDR4-SDRAM		

Processor		Processor special features	
Memory clock speeds supported by processor	1333,1600,1866,2133 MHz	Intel® OS Guard	✓
Memory bandwidth supported by processor (max)	34.1 GB/s	Intel Trusted Execution Technology	✓
ECC supported by processor	✗	Execute Disable Bit	✓
Memory voltage supported by processor	1.35 V	Intel HD Graphics	✓
Memory		Intel FDI Technology	✗
Internal memory *	16 GB	Intel Flex Memory Access	✗
Memory, maximum *	32 GB	Intel Fast Memory Access	✗
Internal memory type	DDR4-SDRAM	Intel® Smart Cache	✓
Memory clock speed	2133 MHz	Intel Enhanced Halt State	✓
Memory channels	Dual-channel	Intel Demand Based Switching	✗
Storage		Intel Software Guard Extensions (Intel SGX)	✓
Total storage capacity *	1.25 TB	Intel Clear Video Technology for MID	✓
Storage media *	HDD+SSD	Processor package size	37.5 x 37.5 mm
Optical drive *	DVD Super Multi	Supported instruction sets	SSE4.1, AVX 2.0, SSE4.2
Number of HDDs installed	1	Processor code	SR2BT
Hard drive capacity	1 TB	Scalability	15
Solid-state drive capacity	256 GB	CPU configuration (max)	1
Graphics		Graphics & IMC lithography	14 nm
On-board graphics card *	✓	Thermal solution specification	PCG 2015C
Discrete graphics card model *	NVIDIA® GeForce® GTX 980	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Discrete graphics card memory	4 GB	Intel Identity Protection Technology version	1.00
On-board graphics card family	Intel® HD Graphics	Intel Stable Image Platform Program (SIPP) version	1.00
On-board graphics card model *	Intel® HD Graphics 530	Intel Secure Key Technology version	1.00
On-board graphics card base frequency	350 MHz	Intel Virtualization Technology (VT-x)	✓
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Small Business Advantage (SBA) version	1.00
Maximum on-board graphics card memory	1.74 GB	Intel TSX-NI version	1.00
Number of displays supported (on-board graphics)	3	Intel Dual Display Capable Technology	✗
On-board graphics card DirectX version	12.0	Intel Rapid Storage Technology	✗
On-board graphics card OpenGL version	4.4	Processor ARK ID	88196
On-board graphics card ID	1912	Intel Turbo Boost Technology	2.0
Graphics card Open GL support	✓	Intel Hyper-Threading Technology	✓
Network		Intel® Quick Sync Video Technology	✓
Ethernet LAN connection *	✓	Intel My WiFi Technology	✗
Ethernet LAN data rates	10,100,1000 Mbit/s	Intel Identity Protection Technology	✓
Wi-Fi *	✓	Intel Anti-Theft Technology	✗
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Conflict-Free processor	✓
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Weight & dimensions	
Bluetooth	✓	Width *	104 mm
Ports & interfaces		Depth *	340 mm
USB 2.0 ports quantity *	2	Height *	358 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Weight *	6.38 kg
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Package width	190 mm
DVI port	✗	Package depth	400 mm
HDMI ports quantity *	1	Package height	592 mm
Ethernet LAN (RJ-45) ports	1	Package weight	10.8 kg
Microphone in	✓	Packaging content	
Headphone outputs	1	Mouse included	✗
DC-in jack	✓	Keyboard included	✗
		Other features	
		Optical drives quantity	1
		Intel Virtualization Technology	VT-x, VT-d

Expansion slots	
PCI Express x16 slots	1
Design	
Form factor *	Tower
Product colour *	Black, Red

Catalog Object Cloud



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