

ASUS ROG G20CB-FR011T PC Intel® Core™ i7 i7-6700 16 GB DDR4-SDRAM 1 TB HDD Windows 10 Home Tower Black, Red

Brand : ASUS

Product family: ROG

Product code: G20CB-FR011T

Product name : G20CB-FR011T

Intel Core i7-6700 (8M Cache, 3.4GHz), 16GB RAM, 1000GB HDD, DVD±RW, Intel HD Graphics 530, Windows 10 Home 64-bit

ASUS ROG G20CB-FR011T. Processor frequency: 3.4 GHz, Processor family: Intel® Core™ i7, Processor model: i7-6700. Internal memory: 16 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2133 MHz. Total storage capacity: 1 TB, Storage media: HDD, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics 530. Operating system installed: Windows 10 Home, Operating system architecture: 64-bit. Chassis type: Tower. Product type: PC. Product colour: Black, Red



Processor		Performance	
Processor manufacturer *	Intel	Product type *	PC
Processor family *	Intel® Core™ i7	Software	
Processor generation	6th gen Intel® Core™ i7	Operating system architecture	64-bit
Processor model *	i7-6700	Operating system installed *	Windows 10 Home
Processor cores	4	Trial software	Anti-Virus
Processor threads	8	Bundled software	Aegis II WebStorage Command Ai Charger II
Processor boost frequency	4 GHz	Processor special features	
Processor frequency *	3.4 GHz	Intel® Small Business Advantage (Intel® SBA)	✓
Processor socket	LGA 1151 (Socket H4)	Intel® Wireless Display (Intel® WiDi)	✓
Processor cache	8 MB	Intel 64	✓
Processor cache type	Smart Cache	Enhanced Intel SpeedStep Technology	✓
System bus rate	8 GT/s	Embedded options available	✓
Bus type	DMI3	Intel® InTru™ 3D Technology	✓
FSB Parity	✗	Intel® Insider™	✓
Processor lithography	14 nm	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
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		
PCI Express configurations	2x8, 1x8+2x4, 1x16		
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® AES New Instructions (Intel® AES-NI)	✓
Memory bandwidth supported by processor (max)	34.1 GB/s	Intel® Secure Key	✓
ECC supported by processor	✗	Intel® OS Guard	✓
Memory voltage supported by processor	1.35 V	Intel Trusted Execution Technology	✓
Memory		Execute Disable Bit	✓
Internal memory *	16 GB	Intel FDI Technology	✗
Maximum internal memory *	32 GB	Intel Flex Memory Access	✗
Internal memory type	DDR4-SDRAM	Intel Fast Memory Access	✗
Memory slots	2x DIMM	Intel Enhanced Halt State	✓
Memory clock speed	2133 MHz	Intel Demand Based Switching	✗
Memory channels	Dual-channel	Intel Software Guard Extensions (Intel SGX)	✓
Storage		Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✓
Total storage capacity *	1 TB	Processor package size	37.5 x 37.5 mm
Storage media *	HDD	Supported instruction sets	SSE4.1, AVX 2.0, SSE4.2
Optical drive type *	DVD±RW	Processor code	SR2BT
Number of storage drives installed	1	Scalability	1S
Number of HDDs installed	1	CPU configuration (max)	1
HDD capacity	1 TB	Graphics & IMC lithography	14 nm
Graphics		Thermal solution specification	PCG 2015C
On-board graphics card *	✓	Intel Virtualization Technology for Directed I/O (VT-d)	✓
On-board graphics card family	Intel® HD Graphics	Intel Identity Protection Technology version	1.00
On-board graphics card model *	Intel® HD Graphics 530	Intel Stable Image Platform Program (SIPP) version	1.00
On-board graphics card base frequency	350 MHz	Intel Secure Key Technology version	1.00
On-board graphics card dynamic frequency (max)	1150 MHz	Intel Virtualization Technology (VT-x)	✓
Maximum on-board graphics card memory	1.74 GB	Intel Small Business Advantage (SBA) version	1.00
Number of displays supported (on-board graphics)	3	Intel TSX-NI version	1.00
On-board graphics card DirectX version	12.0	Intel Dual Display Capable Technology	✗
On-board graphics card OpenGL version	4.4	Intel Rapid Storage Technology	✗
On-board graphics card ID	1912	Processor ARK ID	88196
Network		Intel® Turbo Boost Technology	2.0
Ethernet LAN *	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Intel® Quick Sync Video Technology	✓
Cabling technology	10/100/1000Base-T(X)	Intel® My WiFi Technology (Intel® MWT)	✗
Wi-Fi *	✓	Intel® Identity Protection Technology (Intel® IPT)	✓
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Intel® Anti-Theft Technology (Intel® AT)	✗
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Conflict-Free processor	✓
Ports & interfaces		Power	
USB 2.0 ports quantity *	2	Power supply input voltage	100 - 240 V
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Power supply input frequency	50 - 60 Hz
USB 3.2 Gen 2 (3.1 Gen 2) Type-A ports quantity *	2	Weight & dimensions	
DVI port	✗	Width *	104 mm
HDMI ports quantity *	1	Depth *	340 mm
Ethernet LAN (RJ-45) ports	1	Height *	358 mm
Microphone in	✓	Weight *	6.38 kg
Headphone outputs	1	Package width	190 mm
DC-in jack	✓	Package depth	592 mm
Expansion slots		Package height	400 mm
PCI Express x16 (Gen 1.x) slots	1		

Design		Packaging content	
Chassis type *	Tower	Mouse included	×
Cable lock slot	✓	Keyboard included	×
Cable lock slot type	Kensington	Display	
Product colour *	Black, Red	Display included *	×
Performance		Other features	
Motherboard chipset	Intel® H170	Optical drives quantity	1
Audio output channels	7.1 channels		

Catalog Object Cloud



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