

ASUS ROG G20AJ-4790 PC Intel® Core™ i7 i7-4790 16 GB DDR3-SDRAM 1,13 TB HDD+SSD NVIDIA® GeForce® GTX 980 Windows 8.1 Black, Red

Brand : ASUS

Product family: ROG

Product code: G20AJ-4790

Product name : G20AJ-4790

Intel Core i7-4790 (8M Cache, 3.6GHz), Intel HD Graphics 4600 + NVIDIA GeForce GTX 980, 16GB DDR3, 1TB HDD + 128GB SSD, DVD SM, Gigabit Ethernet, Windows 8.1

ASUS ROG G20AJ-4790. Processor frequency: 3,6 GHz, Processor family: Intel® Core™ i7, Processor model: i7-4790. Internal memory: 16 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 1,13 TB, Storage media: HDD+SSD, Optical drive type: DVD Super Multi. On-board graphics card model: Intel® HD Graphics 4600, Discrete graphics card model: NVIDIA® GeForce® GTX 980. Wi-Fi. Operating system installed: Windows 8.1. Product type: PC. Weight: 6,38 kg. Product colour: Black, Red



Processor		Software	
Processor manufacturer *	Intel	Operating system installed *	Windows 8.1
Processor family *	Intel® Core™ i7	Processor special features	
Processor generation	4th gen Intel® Core™ i7	Intel® Small Business Advantage (Intel® SBA)	✓
Processor model *	i7-4790	Intel® Wireless Display (Intel® WiDi)	✓
Processor cores	4	Intel 64	✓
Processor threads	8	Enhanced Intel SpeedStep Technology	✓
Processor boost frequency	4 GHz	Embedded options available	✗
Processor frequency *	3,6 GHz	Intel® InTru™ 3D Technology	✓
Processor socket	LGA 1150 (Socket H3)	Intel® Insider™	✓
Processor cache	8 MB	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Processor cache type	Smart Cache	Intel Clear Video Technology	✗
System bus rate	5 GT/s	Intel VT-x with Extended Page Tables (EPT)	✓
Bus type	DMI	Intel TSX-NI	✗
FSB Parity	✗	Idle States	✓
Processor lithography	22 nm	Thermal Monitoring Technologies	✓
Processor operating modes	32-bit, 64-bit	Intel Stable Image Platform Program (SIPP)	✓
Processor series	Intel Core i7-4700 Desktop series	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor codename	Haswell	Intel® Secure Key	✓
Thermal Design Power (TDP)	84 W	Intel® OS Guard	✓
Tcase	72,72 °C	Intel Trusted Execution Technology	✓
PCI Express slots version	3.0	Execute Disable Bit	✓
Maximum number of PCI Express lanes	16		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
Number of processors installed	1		
Stepping	C0		
Maximum internal memory supported by processor	32 GB		
Memory types supported by processor	DDR3-SDRAM		

Processor		Processor special features	
Memory clock speeds supported by processor	1333,1600 MHz	Intel FDI Technology	✓
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 *	16 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 mm
Memory channels	Dual-channel	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Storage		Processor code	SR1QF
Total storage capacity *	1,13 TB	Scalability	15
Storage media *	HDD+SSD	CPU configuration (max)	1
Optical drive type *	DVD Super Multi	Graphics & IMC lithography	22 nm
HDD capacity	1 TB	Thermal solution specification	PCG 2013D
SSD capacity	128 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Graphics		Intel Identity Protection Technology version	1,00
On-board graphics card *	✓	Intel Stable Image Platform Program (SIPP) version	1,00
Discrete graphics card model *	NVIDIA® GeForce® GTX 980	Intel Secure Key Technology version	1,00
Discrete graphics card memory	4 GB	Intel Virtualization Technology (VT-x)	✓
On-board graphics card family	Intel® HD Graphics	Intel Small Business Advantage (SBA) version	1,00
On-board graphics card model *	Intel® HD Graphics 4600	Intel TSX-NI version	0,00
On-board graphics card base frequency	350 MHz	Intel Dual Display Capable Technology	✗
On-board graphics card dynamic frequency (max)	1200 MHz	Intel Rapid Storage Technology	✗
Maximum on-board graphics card memory	1,024 GB	Processor ARK ID	80806
Number of displays supported (on-board graphics)	3	Intel® Turbo Boost Technology	2.0
On-board graphics card DirectX version	11.1	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
On-board graphics card ID	0x412	Intel® Quick Sync Video Technology	✓
Graphics card Open GL support	✓	Intel® My WiFi Technology (Intel® MWT)	✓
Network		Intel® Identity Protection Technology (Intel® IPT)	✓
Ethernet LAN *	✓	Intel® Anti-Theft Technology (Intel® AT)	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Conflict-Free processor	✓
Wi-Fi *	✓	Certificates	
Top Wi-Fi standard	Wi-Fi 5 (802.11ac)	Certification	BSMI/CB/CE/FCC/ETL/CCC/C-Tick/VCCI
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
Bluetooth version	4.0	Depth *	358 mm
Ports & interfaces		Height *	340 mm
USB 2.0 ports quantity *	4	Weight *	6,38 kg
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	4	Package width	190 mm
DVI port	✗	Package depth	592 mm
HDMI ports quantity *	1	Package height	400 mm
Ethernet LAN (RJ-45) ports	1	Packaging content	
Microphone in	✓	Mouse included	✗
Headphone outputs	1	Keyboard included	✗
DC-in jack	✓	Display	
Design		Display included *	✗
Product colour *	Black, Red	Performance	
Motherboard chipset	Intel® H97		

Performance		Other features	
Audio system	SonicMaster	Optical drives quantity	1
Audio output channels	7.1 channels	Intel® Virtualization Technology (Intel® VT)	VT-d, VT-x
Product type *	PC		

Catalog Object Cloud



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