



Lenovo IdeaCentre Q190 Intel® Celeron® 1017U 4 GB DDR3-SDRAM 500 GB HDD Windows 8 Nettop Mini PC Black, Silver

Brand : Lenovo

Product family: IdeaCentre

Product code: 57-316621

Product name : Q190

Нал безнал пластик эл.деньги без %

Lenovo IdeaCentre Q190. Processor frequency: 1.6 GHz, Processor family: Intel® Celeron®, Processor model: 1017U. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Card reader integrated, Optical drive type: DVD±RW. On-board graphics card model: Intel® HD Graphics. Operating system installed: Windows 8, Operating system architecture: 64-bit. Chassis type: Nettop. Product type: Mini PC. Product colour: Black, Silver



Processor		Ports & interfaces	
Processor manufacturer *	Intel	S/PDIF out port	✓
Processor family *	Intel® Celeron®	DC-in jack	✓
Processor model *	1017U	Design	
Processor cores	2	Chassis type *	Nettop
Processor threads	2	Placement supported	Vertical
Processor frequency *	1.6 GHz	Water cooling system	✗
Processor socket	BGA 1023	Product colour *	Black, Silver
Processor cache	2 MB	Performance	
Processor cache type	L3	Product type *	Mini PC
System bus rate	5 GT/s	Software	
Bus type	DMI	Operating system architecture	64-bit
FSB Parity	✗	Operating system installed *	Windows 8
Processor lithography	22 nm	Processor special features	
Processor operating modes	64-bit	Intel® Wireless Display (Intel® WiDi)	✗
Processor series	Intel Celeron 1000 series for Mobile	Intel 64	✓
Processor codename	Ivy Bridge	Enhanced Intel SpeedStep Technology	✓
Thermal Design Power (TDP)	17 W	Embedded options available	✗
Tjunction	105 °C	Intel® InTru™ 3D Technology	✗
PCI Express slots version	2.0	Intel® Insider™	✗
Maximum number of PCI Express lanes	16		
PCI Express configurations	1x16, 2x8, 1x8+2x4		
Number of processors installed	1		
Stepping	P0		

Processor		Processor special features	
Maximum internal memory supported by processor	32 GB	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Memory types supported by processor	DDR3-SDRAM, DDR3L-SDRAM	Intel Clear Video Technology	✗
Memory clock speeds supported by processor	1333,1600 MHz	Intel VT-x with Extended Page Tables (EPT)	✓
Memory bandwidth supported by processor (max)	25.6 GB/s	Idle States	✓
ECC supported by processor	✗	Thermal Monitoring Technologies	✓
Memory		Intel® AES New Instructions (Intel® AES-NI)	✗
Internal memory *	4 GB	Intel Trusted Execution Technology	✗
Maximum internal memory *	8 GB	Execute Disable Bit	✓
Internal memory type	DDR3-SDRAM	Intel FDI Technology	✓
Memory slots	2x SO-DIMM	Intel Flex Memory Access	✓
Memory channels	Dual-channel	Intel Fast Memory Access	✓
Storage		Intel® Smart Cache	✓
Total storage capacity *	500 GB	Intel Enhanced Halt State	✓
Storage media *	HDD	Intel Demand Based Switching	✗
Optical drive type *	DVD±RW	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Number of storage drives installed	1	Processor package size	31 x 24 mm
Number of HDDs installed	1	Supported instruction sets	SSE4.1, SSE4.2
HDD capacity	500 GB	Processor code	SR10A
HDD size	2.5"	CPU configuration (max)	1
Card reader integrated	✓	Graphics & IMC lithography	22 nm
Compatible memory cards	Memory Stick (MS), MMC, MS PRO, SD, SDHC, SDXC	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Graphics		Intel Virtualization Technology (VT-x)	✓
On-board graphics card *	✓	Intel Dual Display Capable Technology	✗
Discrete graphics card model *	Not available	Intel Rapid Storage Technology	✗
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	75192
On-board graphics card model *	Intel® HD Graphics	Intel® Turbo Boost Technology	✗
On-board graphics card base frequency	350 MHz	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
On-board graphics card dynamic frequency (max)	1000 MHz	Intel® Quick Sync Video Technology	✗
Number of displays supported (on-board graphics)	3	Intel® My WiFi Technology (Intel® MWT)	✗
Graphics card Open GL support	✓	Intel® Anti-Theft Technology (Intel® AT)	✗
Network		Conflict-Free processor	✓
Ethernet LAN *	✓	Integrated 4G WiMAX	✗
Ethernet LAN data rates	10,100,1000 Mbit/s	Weight & dimensions	
Cabling technology	10/100/1000Base-T(X)	Width *	155 mm
Wi-Fi *	✓	Depth *	192 mm
Top Wi-Fi standard	Wi-Fi 4 (802.11n)	Height *	40 mm
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)	Packaging content	
Ports & interfaces		Mouse included	✗
USB 2.0 ports quantity *	4	Keyboard included	✗
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Display	
VGA (D-Sub) ports quantity	1	Display included *	✗
DVI port	✗	Other features	
HDMI ports quantity *	1	Optical drives quantity	1
Ethernet LAN (RJ-45) ports	1	Intel® Virtualization Technology (Intel® VT)	VT-x
Microphone in	✓		
Headphone outputs	1		

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