



DELL OptiPlex 3020 Intel Pentium G G3220 4 GB DDR3-SDRAM 500 GB HDD Windows 7 Professional SFF PC Black, Grey

Brand : DELL

Product family: OptiPlex

Article code: 3020-5481

Product name : 3020

DELL OptiPlex 3020. Processor frequency: 3 GHz, Processor family: Intel Pentium G, Processor model: G3220. Internal memory: 4 GB, Internal memory type: DDR3-SDRAM, Memory clock speed: 1600 MHz. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD-RW. On-board graphics card model: Intel® HD Graphics. Operating system installed: Windows 7 Professional, Operating system architecture: 64-bit. Power supply: 255 W. Chassis type: SFF. Product type: PC



Processor		Performance	
Processor manufacturer *	Intel	Password protection type	BIOS
Processor family *	Intel Pentium G	Trusted Platform Module (TPM)	✓
Processor model *	G3220	Product type *	PC
Processor cores	2	Software	
Processor threads	2	Operating system installed *	Windows 7 Professional
Processor frequency *	3 GHz	Operating system architecture	64-bit
Processor socket	LGA 1150 (Socket H3)	Processor special features	
Processor cache	3 MB	Intel® Small Business Advantage (Intel® SBA)	✗
Processor cache type	Smart Cache	Intel® Wireless Display (Intel® WiDi)	✗
System bus rate	5 GT/s	Intel 64	✓
Bus type	QPI	Enhanced Intel SpeedStep Technology	✓
FSB Parity	✗	Embedded options available	✗
Processor lithography	22 nm	Intel® InTru™ 3D Technology	✗
Processor operating modes	64-bit	Intel® Insider™	✗
Processor series	Intel Pentium G3000 series for Desktop	Intel® Clear Video HD Technology (Intel® CVT HD)	✗
Processor codename	Haswell	Intel Clear Video Technology	✗
Thermal Design Power (TDP)	54, 53	Intel VT-x with Extended Page Tables (EPT)	✓
Tcase	72 °C	Intel TSX-NI	✗
PCI Express slots version	3.0	Idle States	✓
Maximum number of PCI Express lanes	16	Thermal Monitoring Technologies	✓
PCI Express configurations	1x16, 2x8, 1x8+2x4	Intel Stable Image Platform Program (SIPP)	✗
Number of processors installed	1	Intel® AES New Instructions (Intel® AES-NI)	✗
Stepping	C0	Intel Trusted Execution Technology	✗
Maximum internal memory supported by processor	32 GB	Execute Disable Bit	✓
Memory types supported by processor	DDR3-SDRAM	Intel FDI Technology	✗
Memory clock speeds supported by processor	1333 MHz	Intel Flex Memory Access	✗
Memory bandwidth supported by processor (max)	25,6 GB/s		
ECC supported by processor	✓		

Memory		Processor special features	
Internal memory *	4 GB	Intel Fast Memory Access	✗
Maximum internal memory *	16 GB	Intel Enhanced Halt State	✓
Internal memory type	DDR3-SDRAM	Intel Demand Based Switching	✗
Memory layout (slots x size)	1 x 4 GB	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
Memory slots	2x DIMM	Processor package size	37.5 x 37.5 mm
Memory clock speed	1600 MHz	Supported instruction sets	SSE4.1, SSE4.2
Non-ECC	✓	Processor code	SR1CG
Memory channels	Dual-channel	Scalability	1S
Storage		CPU configuration (max)	1
Total storage capacity *	500 GB	Graphics & IMC lithography	22 nm
Storage media *	HDD	Thermal solution specification	PCG 2013C
Optical drive type *	DVD-RW	Intel Virtualization Technology for Directed I/O (VT-d)	✗
Number of storage drives installed	1	Intel Stable Image Platform Program (SIPP) version	0,00
Number of storage drives supported	1	Intel Virtualization Technology (VT-x)	✓
Number of HDDs installed	1	Intel TSX-NI version	0,00
HDD capacity	500 GB	Intel Dual Display Capable Technology	✗
HDD interface	SATA	Intel Rapid Storage Technology	✗
HDD size	3.5"	Processor ARK ID	77773
Card reader integrated	✗	Intel® Smart Response Technology	✗
Graphics		Intel® Rapid Start Technology	✗
On-board graphics card *	✓	Intel® Turbo Boost Technology	✗
Discrete graphics card model *	Not available	Intel Smart Connect Technology	✗
On-board graphics card family	Intel® HD Graphics	Intel® Hyper Threading Technology (Intel® HT Technology)	✗
On-board graphics card model *	Intel® HD Graphics	Intel® Quick Sync Video Technology	✓
On-board graphics card base frequency	350 MHz	Intel® My WiFi Technology (Intel® MWT)	✗
On-board graphics card dynamic frequency (max)	1100 MHz	Intel® Identity Protection Technology (Intel® IPT)	✗
Maximum on-board graphics card memory	1,74 GB	Intel® Anti-Theft Technology (Intel® AT)	✗
Number of displays supported (on-board graphics)	3	Conflict-Free processor	✓
On-board graphics card DirectX version	11.1	Power	
Network		Power supply *	255 W
Ethernet LAN *	✓	Power supply input voltage	230 V
Ethernet LAN data rates	10,100,1000 Mbit/s	Certificates	
Cabling technology	10/100/1000Base-T(X)	Compliance certificates	RoHS
Wi-Fi *	✗	Certification	CECP, WEEE
Ports & interfaces		Sustainability	
USB 2.0 ports quantity *	6	Sustainability certificates	ENERGY STAR
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight & dimensions	
VGA (D-Sub) ports quantity	1	Width *	93 mm
DVI port	✗	Depth *	312 mm
DisplayPorts quantity	1	Height *	290 mm
Ethernet LAN (RJ-45) ports	1	Weight *	6 kg
Microphone in	✓	Packaging content	
Headphone outputs	1	Mouse included	✗
Line-out	✓	Keyboard included	✗
Line-in	✓	Display	
DC-in jack	✓	Display included *	✗
Expansion slots		Other features	
PCI Express x1 slots	1	Optical drives quantity	1
PCI Express x16 slots	1		
Design			
Chassis type *	SFF		
Placement supported	Vertical		

Design		Other features	
Water cooling system	✗	Dell E-Value Code	SM002D3020SFF82
Number of 3.5" bays	1	Intel segment tagging	Enterprise, Small Business
Number of 5.25" bays	1		
Cable lock slot	✓		
Product color *	Black, Grey		
Performance			
Motherboard chipset	Intel® H81		

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