

DELL Precision 5820 Intel® Xeon® W-2135 32 GB DDR4-SDRAM 512 GB SSD Windows 10 Pro Tower Workstation Black

Brand : DELL

Product family: Precision

Article code: GW9KH

Product name : 5820

DELL Precision 5820. Processor frequency: 3,7 GHz, Processor family: Intel® Xeon®, Processor model: W-2135. Internal memory: 32 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2666 MHz. Total storage capacity: 512 GB, Storage media: SSD, Card reader integrated, Optical drive type: DVD-RW. Operating system installed: Windows 10 Pro, Operating system architecture: 64-bit. Chassis type: Tower. Product type: Workstation. Product color: Black





Processor		Performance	
Processor manufacturer * Processor family * Processor model * Processor cores	Intel Intel® Xeon® W-2135 6 12 4.5 GHz 3.7 GHz LGA 2066 (Socket R4) 8.25 MB 0 GT/s	Audio chip Audio system Password protection Product type *	Realtek ALC3234 High Definition Audio ✓ Workstation
Processor threads		Software	
Processor boost frequency Processor frequency * Processor socket Processor cache System bus rate		Operating system installed * Operating system architecture Operating system language Trial software	Windows 10 Pro 64-bit Multilingual Microsoft Office
Bus type	QPI	Processor special features	
Processor lithography	14 nm	Intel 64	1
Processor operating modes Processor codename	64-bit Skylake	Enhanced Intel SpeedStep Technology	1
Thermal Design Power (TDP)	140 W	Embedded options available	×
Tcase PCI Express slots version	64 °C 3.0	Intel VT-x with Extended Page Tables (EPT)	 Image: A start of the start of
Maximum number of PCI Express lanes	48	Intel TSX-NI Idle States	1 1
PCI Express configurations	1x16, 1x4, 1x8	Thermal Monitoring Technologies	· · · · · · · · · · · · · · · · · · ·
Number of processors installed Stepping	1 U0	Intel® AES New Instructions (Intel® AES-NI)	1
Maximum internal memory supported by processor	512 GB	Intel® Secure Key	✓
Memory types supported by processor	DDR4-SDRAM	Intel® OS Guard Intel Trusted Execution Technology	1 1
Memory clock speeds supported by processor	1600,1866,2133,2400,2666 MHz	Execute Disable Bit	 Image: A start of the start of
Memory bandwidth supported by processor (max)	85.3 GB/s	Intel Flex Memory Access Intel Enhanced Halt State	× •

ECC supported by processor Intel Solar Gaussian Solar Solar	-			
Name of the Solution of the So	Processor		Processor special features	
interal memory32 0.8(midd Sck)*Maximum internal memory25 0.8Supported instruction sets43 x 52.5 mmMaximum internal memory25 0.00Supported instruction sets43 x 52.5 mmMaximum internal memory25 0.00Schoolssor codeSEUAMemory idic tits sets)2 x 16 0.6Scalability1Memory idic tits sets)2 x 16 0.6Scalability46 bitMemory idic tits sets)2 x 16 0.6Scalability46 bitMemory idict speed2666 MH-PPhysical Address Extension (PAE)46 bitMemory idict speed2666 MH-PPhysical Address Extension (PAE)46 bitMemory idict speed521 0.6Directed i/0 (VT-d)1.00Storage mediaSSDDirected i/0 (VT-d)1.00Optical direct speed100Intel Scalability2.0Optical direct speed12 0.6Processor ARK 101.26709Mumber of Storage drives installed1Intel Scalability2.0SSD capacity512 0.6Processor ARK 101.26709SSD capacity1.0Processor ARK 101.26709SSD capacity1.0Processor ARK 101.26709SSD capacity1.0Processor ARK 101.26709 <tr< td=""><td>ECC supported by processor</td><td>1</td><td>, i i i i i i i i i i i i i i i i i i i</td><td>✓</td></tr<>	ECC supported by processor	1	, i i i i i i i i i i i i i i i i i i i	✓
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Memory clack speedSx DIMPhysical Address Extension (PAE)Physical Address Ext			Processor code	SR3LN
Memory clock speed266 MI/zPhysical Address Extension (PAC)4 bitMemory channelsQuad channelCPU configuration (max)1Total storage capacity *\$12 G8PU configuration (max)1Total storage capacity *\$12 G8Directed (10 (VT-d)0Storage media *SDD or the life leftity five function *echnology (VT-0Storage media *SDD or the life leftity five function *echnology (VT-1Storage drives installed1Intel Secure Key Technology resion1.00Number of storage drives installed1Intel Secure Key Technology (VT-2Storage drives installed1Intel Secure Key Technology (VT-2Storage drives installed1Intel Fixthology resion1.00Storage drives installed1Intel Fixthology (RIDE NET)2.0Storage drives installedNatavaliableProcessor AKK ID2.0Storage factor instageted-Conflict-Resion (RIDE NET)2.0Card rader instagatedNatavaliablePower supply input voltage0Storage radius data rates10.100.1000 Mbit/sOperating remearature (TT-)5.0 s 0.5 12Storage radius humidity (HI-1)10.00.1000 Mbit/sOperating remearature (TT-)5.0 s 0.5 12Storage calcut humidity (HI-1)10.00.1000 Mbit/sOperating remearature (TT-)5.0 s 0.5 12Storage calcut humidity (HI-1)10.00.1000 Mbit/sOperating remearature (TT-)5.0 s 0.5 12Storage calcut humidity (HI-1)10.5 0x1.0 s 0.5 12			•	15
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Optical drive type*VVD-RWIntel Secure Key Technology version1.00Number of storage drives installed1Intel Virtualization Technology (VT- X).Number of storage drives installed1Intel Virtualization Technology (VT- X).Number of SDS installed126 GBNocessor AK I/D126 Top9SSD charchyS12 GBIntel® Turbo Boost Technology.00SSD interfacePCI ExpressIntel® Turbo Boost Technology.Card reader integratedCard reader integratedSDIntel® Turbo Boost Technology.Compatible memory cardsSDPowerDiscrete graphics card mederNatailablePower supply input toftagencyNetwork10.100.000 Mbi/sPower supply input foregraphicsDiscrete graphics card mederNotablePower supply input toftagencyStorage technology10/10/1000Base-T(X)Storage temperature (T-T)Cabling technology10/10/10/00Base-T(X)Storage temperature (T-T)Storage temperature (T-T)Cabling technology10/10/1000Base-T(X)Storage temperature (T-T)<				1.00
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SDD interfacePCI ExpressIntel® Turbo Boost Technology2.0SDD form factorM.2Intel® Hyper Threading Technology-Compatible memory cardsSDIntel® Hyper Threading Technology-Compatible memory cardsSDIntel® Identity Protection-Technology (Intel® IP)Conflict-Free processorDiscrete graphics cardNot availablePower00 - 240 VDiscrete graphics card modelNot availablePower supply input frequency50 - 60 HzEthernet LANOperational conditions-Ethernet LAN data rates10,00,000 Mbit/sOperating temperature (T-T)4.0 - 65 * CColling technology10/100/008ase-T(X)Storage temperature (T-T)4.0 - 65 * CPorts GantrifeStorage relative humidity (H+H)8.5%Ports GantrifeStorage relative humidity (H+H)8.5%Ports GantrifePoerational conditions-USB 3.2 Gen 1 (3.1 Gen 1) Type- ports quantityAMeight 4 dimensions-Ports QuantrifeNouse included on selected markets-Ports quantrife-Mouse included on selected markets-Ports quantrifePorts quantrifePorts quantrifePorts quantrifePorts quantrifePorts quantrife <td>Number of SSDs installed</td> <td>1</td> <td></td> <td>1.00</td>	Number of SSDs installed	1		1.00
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Ethernet LAN* Ethernet LAN data rates 10,100,1000 Mbit/s Operating temperature (T-T) 5 - 35 °C Cabling technology 10/100/1000Base-T(X) Storage temperature (T-T) 40 - 65 °C Wi-Fi* X Operating relative humidity (H-H) 8 - 85% Ports & interfaces Weight & dimensions 5 - 95% USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * 8 Weight & dimensions USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * 2 Depth * 518.3 mm VU port X Depth * 518.3 mm DVI port squantity * 2 Depth * 518.3 mm PS/2 ports quantity 2 Depth * 518.3 mm Vicrophone in X Mouse included on selected markets only S19.9 kg Vicrophone in Y Y Y Y Microphone outputs 1 Mouse included on selected markets only Y Line-out Y Manual Y Unord Uttom Y Y Y Serial ports quantity 1 Manual Y Unord Uttom Y Y Y Y Portage relative humidity (H-H) Y Y Y Microphone in Y	Discrete graphics card model *	Not available	Power supply input voltage	100 - 240 V
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Cabing technology 10100/1000Base-T(X) Operating temperature (1-1) 5 - 3 - C Wi-Fi* X Storage temperature (1-1) 40 - 65 °C Ports & interfaces Storage relative humidity (H-H) 8 - 85% VUSB 3.2 Gen 1 (3.1 Gen 1) Type-7 B With * 176.5 mm ports quantity * 2 With * 18.3 mm DVI port X Depth * 518.3 mm DVI port X Weight & dimensions 15.9 kg DVI port X Weight * 15.9 kg Bicrophone in Packaging content 40.40000 Line-out I Manual AC Line-in I Manual AC On/of flutton I Manual AC On/of flutton I Interfactures Interfactures Porter Interfactures Interfactures Interfactures	Ethernet LAN *	1	Operational conditions	
Wi-Fi* X Operating relative humidity (H-H) X-40-50 C Ports & interfaces Storage relative humidity (H-H) S - 95% VUSB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity* A A USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity* A A USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity* A A USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity* A A USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity* A A USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity* A A DVI port X Depth* \$18.3 mm DVI port X Height* 417.9 mm PS/2 ports quantity Q Novei coluded on selected markets \$19.9 kg Portor quantity Q Novei coluded on selected markets only A Heighthene outputs 1 A A Line-out X A A Serial ports quantity 1 A A Serial ports quantity 1 A A Autor portor Y A A Calles included on selected markets only A A Calles included on selected markets only A A Portor control A A	Ethernet LAN data rates		Operating temperature (T-T)	5 - 35 °C
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ports quantity *aWidth *176.5 mmUSB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *2Depth *518.3 mmDVI portXHeight *417.9 mmDVI portXWeight *15.9 kgEthernet LAN (R)-45) ports1Mouse included on selected markets only-Headphone outputs1Mouse included on selected markets only-Line-outYCables included on selected markets only-Line-inYCables included on selected only-Line-inYCables included on selected only-Line-inYCables included on selected only-Line-inYCables included on selected only-Line-inYSamarkets only-Line-inYSamarkets only-Porter Samarins SateISamarkets only-Porter SateSamarkets onlySamarkets only-Porter SateSamarkets only </td <td>Ports & interfaces</td> <td></td> <td>Storage relative humidity (H-H)</td> <td>5 - 95%</td>	Ports & interfaces		Storage relative humidity (H-H)	5 - 95%
USB 3.2 Gen 1 (3.1 Gen 1) Type-C 2 Width * 17.6.5 mm ports quantity * Depth * 518.3 mm 518.3 mm DVI port X Height * 417.9 mm DVI port X Weight * 10.9 kg PS/2 ports quantity 2 Packaging content 417.9 mm PS/2 ports quantity 2 Packaging content 10.0 mm Microphone in I Packaging content Imm Headphone outputs 1 Mouse included on selected markets only Imm Line-out Imm Keyboard included on selected markets only Imm Imm Line-out Imm Keyboard included on selected markets only Imm Imm Line-out Imm Manual Imm Imm On/off button Imm Manual Imm Imm PCI-X slots Imm Manual Imm Imm PCI-X slots Imm Manual Imm Imm PCI-X slots Imm Market positioning Market positio		8	Weight & dimensions	
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