

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	Audio chip Audio system Password protection Product type *	Realtek ALC3234 High Definition Audio ✓ Workstation
Processor threads	12	Software	
Processor boost frequency Processor frequency * Processor socket Processor cache System bus rate	4.5 GHz 3.7 GHz LGA 2066 (Socket R4) 8.25 MB 0 GT/s	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
PCI Express configurations Number of processors installed	1x16, 1x4, 1x8 1	Thermal Monitoring Technologies	
Stepping	UO	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	v v
Memory clock speeds supported by processor	1600,1866,2133,2400,2666 MHz	Execute Disable Bit	·
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 Joya (alois x size)2.1 E GBScalabilityJSMemory Joks Speed2666 MHzPhysical Address Extension (PAL)4 GHMemory Joks Speed2666 MHzPhysical Address Extension (PAL)4 GHMemory Joks Speed2004 ChannelCPU configuration (max)1Total storage capacity *512 GBCPU configuration (max)1.00StorageDVD-RWIntel Wirtuitariation Technology (VF)1.00Total storage drives installed1Intel Wirtuitariation Technology (VF)1.00Number of storage drives installed1.2 GBIntel Wirtuitariation Technology (VF)1.00Total SDS capacity512 GBIntel Wirtuitariation Technology (VF)1.00Number of SDs installed1.2 GBProcessor ARI (N)2.60SD capacity512 GBIntel Wirtuitariation Technology (VF)2.0SD formatorN.2 GMProcessor ARI (N)2.60SD formatorSD capacitySD capacity2.60SD formatorN.2 GMProcessor ARI (N)2.60SD formatorSD capacityProcessor ARI (N)2.60SD formatorN.2 GMProcessor ARI (N)2.60SD formatorSD capacityPro	,		Supported instruction sets	AVX, AVX 2.0, AVX-512, SSE4.2
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
SSD form factorM.2Intel® Hyper Threading Technology (Intel® HYPer Threading Technology)Compatible memory cardsSDIntel® Hyper Threading Technology (Intel® HTP-Compatible memory cardsSDIntel® Hyper Threading Technology (Intel® HTP)-GraphicsXPower-Discrete graphics card model *Not availablePower supply input voltage Power supply input requency SD - 60 Hz100 - 240 VNetworkPower supply input requency SD - 60 HzSD - 60 Hz-Ethemet LAN *VOperating temperature (T-T) AD - 65 °C Operating temperature (T-T) AD - 65 °C Operating temperature (T-T) AD - 65 °CSD - 60 HzCabling technology10/100/1000Base-T(X) AD - 65 °CSD - 60 Hz-SD 3C Graphics10/100/1000Base-T(X) AD - 65 °CSD - 60 Hz-Cabling technology10/100/1000Base-T(X) AD - 65 °CSD - 60 Hz-SD 3C Graphics10/100/1000Base-T(X) AD - 65 °CSD - 60 Hz-SD 3C 3C 1(3 LG en 1) Type-A ports quantity2SD - 60 Hz-SD 3C 4D (13 LG en 1) Type-A ports quantity10	SSD capacity	512 GB	Processor ARK ID	126709
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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	
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