

Image: Precision 5820 Intel® Xeon® W-2135 32 GB DDR4-SDRAM 512 GB SSD IIIII Windows 10 Pro III IIII

DELL

Precision

GW9KH

5820

Processor

 D Precision 5820.
 DDDL: 3.7 GHz, DDDL: Intel® Xeon®, DDDL: W-2135.
 DDDL: 32 GB, DDDL: DDR4-SDRAM, DDDL: 2666 MHz.

 SDRAM, DDDDL: 2666 MHz.
 DDDL: 512 GB, DDDL: SSD DDDL, DDDL: DVD-RW.
 DDDL: Windows

 10 Pro, DDDDL: 64D.
 DDDL: DDDL:





Processor manufacturer *	Intel	Audio chip	Realtek ALC3234
Processor family *	Intel® Xeon®	Audio system	High Definition Audio
Processor model *	W-2135	Password protection	1
Processor cores	6	Product type *	Workstation
Processor threads	12	Software	
Processor boost frequency	4.5 GHz	Operating system installed *	Windows 10 Pro
Processor frequency *	3.7 GHz	Operating system architecture	64-bit
Processor socket	LGA 2066 (Socket R4)	Operating system language	Multilingual
Processor cache	8.25 MB	Trial software	Microsoft Office
System bus rate	0 GT/s		
Bus type	QPI	Processor special features	
Processor lithography	14 nm	Intel 64	1
Processor operating modes	64-bit	Enhanced Intel SpeedStep	1
Processor codename	Skylake	Technology	•
Thermal Design Power (TDP) –	140 W	Embedded options available	×
Tcase	64 °C	Intel VT-x with Extended Page	1
PCI Express slots version	3.0	Tables (EPT)	
Maximum number of PCI Express lanes	48	Intel TSX-NI	
PCI Express configurations	1x16, 1x4, 1x8	Idle States	
Number of processors installed	1	Thermal Monitoring Technologies	1
Stepping	UO	Intel® AES New Instructions (Intel® AES-NI)	1
Maximum internal memory supported by processor	512 GB	Intel [®] Secure Key	1
Memory types supported by	DDR4-SDRAM	Intel [®] OS Guard	1
processor		Intel Trusted Execution Technology	4
Memory clock speeds supported by processor	1600,1866,2133,2400,2666 MHz	Execute Disable Bit	✓
Memory bandwidth supported by	85.3 GB/s	Intel Flex Memory Access	×
processor (max)	-	Intel Enhanced Halt State	1

Performance

ECC supported by processor Intel Solar Gaussian Solar Solar	-			
Name of the Solution of the So	Processor		Processor special features	
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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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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
Card reader integratedCompatible memory cardsSDIntel® III Trechnology (Intel® III Trechnology (Intel® III P) Trechnology (Intel® III P)GraphicsSDComfict-Free processorDiscrete graphics card wellNot availablePower Power supply input voltage100 - 240 VDiscrete graphics card model Not availablePower supply input voltage100 - 240 VNetworkYPower supply input voltage100 - 240 VEthernet LAN *Operating temperature (T-T)5 - 35 °CStorage temperature (T-T)S - 05 °CStorage temperature (T-T)40 - 65 °CWi-Fi*XOperating telative humidity (I+IH)5 - 95 %Ports & interfacesStorage relative humidity (I+IH)5 - 95 %USB 3.2 Gen 1 (3.1 Gen 1) Type-Q2Weight & dimensionsports quantity1Portage temperature (T-T)5 - 318.3 mmPorts quantity2Storage temperature (T-T)5 - 318.3 mmPS/2 ports quantity2Storage temperature (T-T)5 - 318.3 mmPS/2 ports quantity1Storage temperature (T-T)5 - 318.3 mmPS/2 ports quantity1Storage temperature (T-T)5 - 318.3 mmPS/2 ports quantity1Storage temperature (T-T)5 - 318.3 mmIntel® US 2 (Storage temperature)VertageStorage temperature)Storage temperature)PS/2 ports quantity1Storage temperature)Storage temperature)Storage temperature)Potoget quantity1Storag	SSD interface	•		2.0
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bisrete graphics card * X Discrete graphics card model * Not available Network Network Ethemet LAN * · · Power supply input voltage Ethemet LAN data rates 10,100,1000 Mbit/s Cabling technology 10/100/1000Base-T(X) Wi-F1* * X Ports & interfaces USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity * S So grap ten (3.1 Gen 1) Type-A ports quantity * 2 Ethemet LAN (gl-45) ports 1 Ethemet LAN (gl-45) ports 1 Height * 4 Height *	Compatible memory cards	SD		1
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NetworkPower supply input votice10 - 40 VPower supply input frequency50 - 60 HzEthernet LAN 4dat artes10,100,1000 Mbit/sOperating temperature (T-T)5 - 35 °CCabling technology10/100/1000Base-T(X)Storage temperature (T-T)40 - 65 °CWi-Fi*VOperating temperature (T-T)40 - 65 °CStorage temperature (T-T)5 - 95%Storage temperature (T-T)5 - 95%Ports 6 interfacesStorage relative humidity (H-H)5 - 95%USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity*8Wight 6 dimensionsVI port2Depth *518.3 mmDVI port2Depth *518.3 mmPS/2 ports quantity2Depth *518.3 mmPS/2 ports quantity2Packaging content15.9 kgWicrophone in<	5 1		Power	
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
Characteriations Display and the set of the set	Network		Power supply input frequency	50 - 60 Hz
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
Ports & interfaces Operating relative humidity (H-H) 5 - 55% 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-C ports quantity* 2 Depth * 518.3 mm USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity 2 Depth * 518.3 mm USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity 2 Height * 417.9 mm USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity 2 15.9 kg 15.9 kg USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity 2 417.9 mm 15.9 kg PS/2 ports quantity 1 417.9 mm 15.9 kg PS/2 ports quantity 1 400 seincluded on selected markets only - Microphone in 400 seincluded on selected markets only - Headphone outputs 1 400 seincluded on selected markets only AC Serial ports quantity 1 400 seincluded on selected markets only AC Serial ports quantity 1 400 seincluded on selected markets only AC Serial ports quantity 1 90 seincluded ** *			Storage temperature (T-T)	-40 - 65 °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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