DELL Precision T5820 i9-10920X Tower Intel® Core™ i9 X-series 32 GB DDR4-SDRAM 1000 GB SSD Windows 10 Pro Workstation Black

Brand : DELL

Product family: Precision

Product code: 5YYXT

Product name : T5820

- Windows 10 Pro 64-bit
- Intel Core i9-10920X (19.25MB Cache, 3.5GHz)
- 32GB (2933MHz) DDR4-SDRAM (2 x 16) & 1000GB SSD
Intel Core i9-10920X (19.25MB Cache, 3.5GHz), 32GB DDR4-SDRAM, 1000GB SSD, DVD±RW, LAN, Windows 10 Pro 64-bit

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Perfected to your vision.
Expand your ideas with the Precision 5820 Tower. Featuring high performance in a new innovative, versatile compact design that is great for VR and AI.
DELL Precision T5820. Processor frequency: 3.5 GHz, Processor family: Intel® Core™ i9 X-series, Processor model: i9-10920X. Internal memory: 32 GB, Internal memory type: DDR4-SDRAM, Memory clock speed: 2933 MHz. Total storage capacity: 1000 GB, Storage media: SSD, Optical drive type: DVD±RW. Operating system installed: Windows 10 Pro, Operating system architecture: 64-bit. Power supply: 950 W. Chassis type: Tower. Product type: Workstation. Product colour: Black

Processor

Processor manufacturer *	Intel
Processor generation	10th gen Intel® Core™ i9
Processor model *	i9-10920X
Processor family *	Intel® Core™ i9 X-series
Processor cores	12
Processor frequency *	3.5 GHz
Processor boost frequency	4.6 GHz
Processor cache	19.25 MB
Number of processors installed	1
Number of processors supported	1

Memory

Internal memory *	32 GB
Maximum internal memory *	256 GB
Internal memory type	DDR4-SDRAM
Memory layout (slots x size)	2 x 16 GB
Memory slots	8x DIMM
Memory clock speed	2933 MHz
ECC	✖

Storage

Total storage capacity *	1000 GB
Storage media *	SSD
Optical drive type *	DVD±RW
Number of storage drives installed	1
Total SSDs capacity	1000 GB
Number of SSDs installed	1
SSD capacity	1000 GB
SSD interface	NVMe, PCI Express
NVMe	✔

Expansion slots

PCI Express x16 slots	5
PCI slots	1

Design

Chassis type *	Tower
Placement supported	Vertical
Water cooling system	✖
Product colour *	Black
Intel® vPro™ Platform Eligibility	✖

Performance

Market positioning	Business
Motherboard chipset	Intel® C422
Audio chip	Realtek ALC3234
Audio system	High Definition Audio
Built-in speaker(s)	✖
Password protection	✔
Trusted Platform Module (TPM)	✔
Product type *	Workstation

Software

Operating system installed *	Windows 10 Pro
Operating system architecture	64-bit
Windows 11 free upgrade	✔
Operating system language	Multilingual
Trial software	No Microsoft Office License Included 30 day Trial Offer Only

Processor special features

Intel 64	✔
Enhanced Intel SpeedStep Technology	✔

Storage

SSD form factor	M.2
SSD performance class	40
Compatible memory cards	Not supported
RAID support	✔
RAID levels	0, 1, 5, 6, 10, 60

Graphics

Discrete graphics card *	✖
Discrete graphics card model *	Not available
On-board graphics card *	✖
On-board graphics card model *	Not available

Network

Ethernet LAN *	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Cabling technology	10/100/1000Base-T(X)
Wi-Fi *	✖
Bluetooth	✖

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	8
USB 3.2 Gen 1 (3.1 Gen 1) Type-C ports quantity *	2
PS/2 ports quantity	2
Ethernet LAN (RJ-45) ports	1
Microphone in	✔
Headphone outputs	1
Line-out	✔
Line-in	✔
Combo headphone/mic port	✔
Serial ports quantity	1
Number of rear USB ports	6
Number of front USB ports	4
Number of front audio ports	2
Number of rear audio ports	1

Processor special features

Embedded options available	✖
Execute Disable Bit	✔
CPU configuration (max)	1
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Virtualization Technology (VT-x)	✔

Power

Power supply *	950 W
Power supply input voltage	100 - 240 V
Power supply input frequency	50 - 60 Hz

Operational conditions

Operating temperature (T-T)	5 - 35 °C
Storage temperature (T-T)	-40 - 65 °C
Operating relative humidity (H-H)	8 - 85%
Storage relative humidity (H-H)	5 - 95%

Weight & dimensions

Width *	176.5 mm
Depth *	518.3 mm
Height *	417.9 mm
Weight *	15.4 kg

Packaging content

Display included *	✖
Mouse included on selected markets only	✔
Mouse connectivity	Wired
Keyboard included on selected markets only	✔
Keyboard connectivity	Wired
Input device model	KB216, MS116
Cables included	AC

Other features

Harmonized System (HS) code	84715000

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