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Precision T3610 Desktop Workstation Hardware Specifications

Summary: This article contains information regarding the hardware specifications of the Precision T3610 Desktop Workstation.

Article Content

Symptoms

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Cause

Precision T3610	
Chipset	
Manufacturer	Model
Intel	Intel C602 Chipset
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Processors	
Manufacturer	Models
Intel	Supports Single Processor Intel® Xeon® E5-1603 Processor (Quad Core, 2.8GHz Turbo, 10MB) Intel® Xeon® E5-1607 v2 Processor (Quad Core, 3.0GHz, 10MB) Intel® Xeon® E5-1620 v2 Processor (Quad Core HT, 3.7 GHz Turbo, 10 MB) Intel® Xeon® E5-1650 v2 Processor (Six Core HT, 3.5 GHz Turbo, 12 MB)
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Video	
Type	Models

Discrete PCIe 3.0 / 2.0 x 16	<p>Up to 2 full-height, full length (maximum of 300 W)</p> <p>2 GB NVIDIA Quadro K2000</p> <p>3 GB NVIDIA Quadro K4000</p> <p>4 GB NVIDIA® Quadro® K5000</p> <p>1 GB NVIDIA® Quadro® K600</p> <p>512MB NVIDIA® Quadro® NVS 310</p> <p>2 GB NVIDIA® Quadro® NVS 510</p> <p>1 GB AMD FirePro™ V4900</p> <p>2 GB AMD FirePro™ W5000</p> <p>1 GB AMD FirePro V3900</p> <p>512MB AMD FirePro™ 2270</p>
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Memory

Specifications	Supported configurations
Memory type	DDR3 1600 MHz and 1866 MHz RDIMM ECC/Non-ECC
Memory connectors	8 DIMM slots
Supported memory module capacities	2GB, 4 GB, 8 GB, and 16 GB
Minimum memory	4 GB
Maximum memory	128 GB

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Audio

Type	Model
Integrated	RealTek ALC 3220

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Network

Type	Model
Integrated	Intel 82579

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Storage

Type	Specifications
Externally accessible drive bays	<p>Slimline SATA optical bays: one bay</p> <p>5.25 inch drive bays: one bay</p> <p>Supports one 5.25 inches SATA device, one media card reader, or up to two 2.5 inch SAS/SATA/SSD hard drives (with optional adapters)</p>
Internally accessible drive bays	3.5-inch hard drive bays: two bays supporting two 3.5-inch SATA or 2.5-inch SAS/SATA/SSD hard drives

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Internal and External Connectors

Type of Connector	Specification
Audio	<p>Front panel: Mic-in, headphone-out</p> <p>Back panel: Line-out, Mic-in/Line-in</p>
Video	<p>Video card dependent:</p> <p>DVI connector</p> <p>DisplayPort connector</p> <p>DMS-59</p>
Network Adapter	One RJ-45 connectors

USB	Front panel - three USB 2.0, and one USB 3.0 Back panel - three USB 2.0, and three USB 3.0 Internal - three USB 2.0
System Power	One 28-pin connector
System fans	Three four-pin connectors
Processor fans	One 5-pin connectors
Hard drive fans	One 5-pin connectors
Memory	Eight 240-pin connectors
Processor	One LGA-2011 socket
Back I/O	PCI Express x4: two 164-pin connector PCI Express x16: two 164-pin connectors PCI 2.3: one 124-pin connector
Front I/O	Front USB: one 14-pin connector Internal USB: one type A female, one dual-port 2x5 header Front panel control: one 2x14 pin connector Front panel audio HDA header: one 2x5 pin connector
Hard drive/Optical drive	SATA: four 7-pin SATA connectors for HDD; two 7-pin SATA connectors for ODD Power: one 24-pin and one 8-pin connector

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Diagnostic Indicators

Indicator	Example	Description
Power Button LED		Off-system is off or unplugged
		Solid white light-computer is operating normally
		Blinking white light-computer is in stand by
		Solid amber light - the computer does not start, indicating a problem with the system board or power supply
		Blinking amber light - indicates a problem has occurred with the system board
Diagnostic lights		Off - computer is off or has completed POST
		Green/blinking light - see the service manual for specific diagnostic codes

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Expansion Bus

Type	Speed
PCI Express 3.0	2 PCIe x16 slots; 1 PCIe x8 slot (wired as x4); 2 additional PCIe x16 slots with a second CPU installed
PCI Express 2.0	1 PCIe x4 slot
PCI	1 PCI 32/33 slot
SATA	SATA HDD ports 0 and 1 support throughput speeds up to 6 Gbps; other SATA ports support throughput speeds up to 3 Gbps
USB	1.2 Mbps Low Speed, 12 Mbps Full Speed, 480 Mbps High Speed, and 5 Gbps Super Speed

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Power

Variable	Specification
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Coin-cell battery	3 V CR2032 lithium coin cell
Voltage	100 VAC to 240 VAC
Wattage	685 / 425 W (input voltage of 100 VAC-240 VAC)
Maximum heat dissipation--calculated using the power supply wattage rating	685 W: 2750.5 BTU/Hr 425 W: 1706.5 BTU/Hr
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Physical	
Dimension	Specification
Height (with feet)	41.69cm (16.41 inches)
Height (without feet)	41.40cm (16.30 inches)
Width	17.26cm(6.79 inches)
Depth	47.10cm(18.54 inches)
Weight (Minimum)	14.00 kg (30.86 lb) / 13.2 kg (29.10 lb)
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Environmental	
Variable	Specification
Temperature	Operating: 10°C to 35°C (50°F to 95°F) Storage: -40°C to 65°C (-40°F to 149°F)
Relative humidity (maximum)	20% to 80% (non-condensing)
Maximum vibration	Operating: 5 Hz to 350 Hz at 0.0002 G ² /Hz Storage: 5 Hz to 500 Hz at 0.001 to 0.01 G ² /Hz
Maximum shock	Operating: 40 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 51 cm/sec [20 in/sec]) Storage: 105 G +/- 5% with pulse duration of 2 msec +/- 10% (equivalent to 127 cm/sec [50 in/sec])
Altitude (Maximum)	Operating: -15.2 m to 3048 m (-50 ft to 10,000 ft) Storage: -15.2 m to 10,668 m (-50 ft to 35,000 ft)
Airborne contaminant level	G1 as defined by ISA-S71.04-1985
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Resolution

Out of warranty? No problem. Visit the [Dell.com/support](https://www.dell.com/support) website and enter your Dell Service Tag and view our offers.

NOTE: Currently, offers are only available for **US, Canada, UK, and France** PC customers. Server and Storage not applicable.

Article Properties

Affected Product

Precision T3610

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Version

4

Article Type

Solution