

DELL Precision 5510 (N31D9)

39.624 cm (15.6 ") (3840 x 2160, IGZO, Touch), Intel Core i7-6820HQ, 8GB (DDR4), 500GB (HDD), NVIDIA Quadro M1000M (2GB, GDDR5), Windows 7 Professional (64-bit), Wi-Fi, Bluetooth, 2 x USB 3.0, 1 x HDMI, 1 x Thunderbolt 3, 1.78 kg



Price details:

Price excl. VAT: 1,897.46 €

Eco fees: 0.12 €

VAT 21 %: 398.49 €

Product details:

Product code: N31D9

EAN: 5397063871612

Manufacturer: DELL

PDF generated on: 17 October, 2017



2,296.07 €

Product is discontinued. You can not order it anymore.

* VAT included

Small and stunning power.

Thinnest, lightest, smallest 15" mobile workstation with big performance. Featuring Intel® processors and a PremierColor 4K InfinityEdge display.

See the big picture, better than ever.

The new PremierColor InfinityEdge display offers a completely new level of eye-popping detail with 4K Ultra HD resolution and over 8 million pixels - three million more than a Retina display. The PremierColor panel guarantees you the unprecedented color fidelity of a 100% AdobeRGB minimum gamut display.

Elegant, innovative and efficient.

Feels good, looks even better

The InfinityEdge display offers virtually borderless viewing - cleverly fits a 15-inch display into the size of some 14-inch laptops. And the new industrial design with carbon fiber palm rest delivers rigidity, durability and cool-to-the-touch operations.

Easy office integration

Multitasking is a breeze with single cable docking, and large file transfers are quick and easy with Thunderbolt 3 connectivity.

Outstanding professional performance

Accelerated workflows: New 6th Gen Intel® Core i5 and i7 processors and the first-ever mobile Xeon processors provide the power to extract maximum performance from the demanding professional software you rely on to do your job.

Professional graphics: From rendering to complex modeling, you'll notice an incredible performance boost thanks to NVIDIA® Quadro M1000M graphics with 2GB memory.

Big storage for big jobs: Easily store, transfer and access large and complex 3D, multimedia and video project files with the speed and reliability of up to 2TB of storage and available Thunderbolt 3.

Your work can count on it

Independent Software Vendor (ISV) certification: Dell Precision Workstations are tested to ensure the high-performance applications you rely on every day run smoothly. Dell ISV-certifications cover the most popular independent software applications.

Reach maximum potential: The Dell Precision Optimizer, with SCCM centralized management, improves productivity and performance by fine-tuning your system beyond standard factory settings, on supported ISV applications.

Main specifications:

Design

Colour of product:	Black,Silver
Product type:	Ultrabook
Form factor:	Clamshell
Market positioning:	Business
Intel segment tagging:	Professional

Display

Display diagonal:	15.6 "
Display resolution:	3840 x 2160 pixels
Touchscreen:	Y
LED backlight:	Y
HD type:	4K Ultra HD
Aspect ratio:	16:9
Display brightness:	400 cd/m ²
Panel type:	IGZO
Touch technology:	Multi-touch
Touchscreen type:	Capacitive

Processor

Processor frequency:	2.7 GHz
Processor family:	Intel Core i7-6xxx
Processor model:	i7-6820HQ
Processor boost frequency:	3.6 GHz
Processor cores:	4
Processor threads:	8
System bus rate:	8 GT/s
Processor cache:	8 MB
Processor socket:	BGA 1440
Processor cache type:	Smart Cache
Motherboard chipset:	Intel CM236
Processor lithography:	14 nm
Processor operating modes:	64-bit
Stepping:	R0
Bus type:	DMI3
Processor codename:	Skylake
Thermal Design Power (TDP):	45 W
Processor series:	Intel Core i7-6800 Mobile series
FSB Parity:	N
Maximum number of PCI Express lanes:	16
PCI Express slots version:	3.0
PCI Express configurations:	1x16,2x8,1x8+2x4
Tjunction:	100 °C
Conflict Free processor:	Y
ECC supported by processor:	N

Memory

Internal memory:	8 GB
Internal memory type:	DDR4-SDRAM
Maximum internal memory:	32 GB
Memory clock speed:	2133 MHz
Memory slots:	2x SO-DIMM
Maximum internal memory (64-bit):	32 GB
Memory form factor:	SO-DIMM

Storage

Total storage capacity:	500 GB
Storage media:	HDD
Card reader integrated:	Y
Number of hard drives installed:	1
Hard drive capacity:	500 GB
Hard drive interface:	SATA III
Hard drive speed:	5400 RPM
Hard drive size:	2.5 "
Compatible memory cards:	SD,SDHC,SDXC

Graphics

On-board graphics adapter:	Y
Discrete graphics adapter:	Y
On-board graphics adapter model:	Intel HD Graphics 530
Discrete graphics adapter model:	NVIDIA Quadro M1000M

On-board graphics adapter family:	Intel HD Graphics
On-board graphics adapter base frequency:	350 MHz
On-board graphics adapter dynamic frequency (max):	1050 MHz
Maximum on-board graphics adapter memory:	1.7 GB
Number of displays supported (on-board graphics):	1
Discrete graphics adapter memory:	2 GB
Discrete graphics memory type:	GDDR5
Number of discrete graphics adapters supported:	1
Number of discrete graphics adapters installed:	1
On-board graphics adapter DirectX version:	12
On-board graphics adapter OpenGL version:	4.4
On-board graphics adapter ID:	0x191B

Audio

Audio system:	MaxxAudio Pro
Number of built-in speakers:	2
Speakers manufacturer:	Waves
Built-in microphone:	Y

Camera

Front camera:	Y
Front camera resolution (numeric):	0.92 MP
Front camera resolution:	1280 x 720 pixels

Optical drive

Optical drive type:	N
LightScribe:	N

Networking

Bluetooth:	Y
3G:	N
4G:	N
Wi-Fi:	Y
Ethernet LAN:	N

Ports & interfaces

USB 3.0 (3.1 Gen 1) Type-A ports quantity:	2
HDMI ports quantity:	1
HDMI version:	1.4
DVI port:	N
Thunderbolt 3 ports quantity:	1
Combo headphone/mic port:	Y
Docking connector:	N
DC-in jack:	Y
USB Sleep-and-Charge:	Y
USB Sleep-and-Charge ports:	2

Keyboard

Numeric keypad:	N
Pointing device:	Touchpad
Full-size keyboard:	Y
Windows keys:	Y
Keyboard backlit:	Y

Software

Operating system installed:	Windows 7 Professional
Operating system architecture:	64-bit

Processor special features

Intel® Wireless Display (Intel® WiDi):	Y
Intel® My WiFi Technology (Intel® MWT):	Y
Intel® Anti-Theft Technology (Intel® AT):	N
Intel® Smart Response Technology:	Y
Intel® Identity Protection Technology (Intel® IPT):	Y
Intel® vPro® Technology:	Y
Intel® Hyper Threading Technology (Intel® HT Technology):	Y
Intel® Turbo Boost Technology:	2.0
Intel® Small Business Advantage (Intel® SBA):	Y
Enhanced Intel SpeedStep Technology:	Y
Intel® Built-in Visuals Technology:	Y
Intel HD Graphics:	Y

Intel® Clear Video HD Technology (Intel® CVT-HD):	
Intel Clear Video Technology:	Y
Intel® InTru™ 3D Technology:	Y
Intel® Insider™:	Y
Intel® Quick Sync Video Technology:	Y
Intel Flex Memory Access:	Y
Intel® Smart Cache:	Y
Intel® AES New Instructions (Intel® AES-NI):	Y
Intel Trusted Execution Technology:	Y
Intel Enhanced Halt State:	Y
Intel VT-x with Extended Page Tables (EPT):	Y
Intel Demand Based Switching:	N
Intel® Secure Key:	Y
Intel TSX-NI:	Y
Intel Stable Image Platform Program (SIPP):	Y
Intel® OS Guard:	Y
Intel Software Guard Extensions (Intel SGX):	1
Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID):	
Intel 64:	Y
Execute Disable Bit:	Y
Idle States:	Y
Thermal Monitoring Technologies:	Y
Processor package size:	42 mm
Supported instruction sets:	SSE4.1,SSE4.2,AVX 2.0
Processor code:	SR2FU
CPU configuration (max):	1
Embedded options available:	N
Graphics & IMC lithography:	14 nm
Intel Virtualization Technology for Directed I/O (VT-d):	Y
Intel Smart Response Technology version:	1.00
Intel Stable Image Platform Program (SIPP) version:	1.00
Intel Secure Key Technology version:	1.00
Intel Small Business Advantage (SBA) version:	1.00
Intel TSX-NI version:	1.00
Intel Virtualization Technology (VT-x):	Y
Intel Dual Display Capable Technology:	N
Intel FDI Technology:	N
Intel Rapid Storage Technology:	N
Intel Fast Memory Access:	N
Processor ARK ID:	88970

Battery

Battery technology:	Lithium Polymer (LiPo)
Number of battery cells:	3

Power

AC adapter power:	130 W
AC adapter frequency:	50/60 Hz
AC adapter input voltage:	100 - 240 V
AC adapter output current:	6.67 A
AC adapter output voltage:	19.5 V

Security

Cable lock slot:	Y
Cable lock slot type:	Kensington
Trusted Platform Module (TPM):	Y
Password protection:	Y

Weight & dimensions

Weight:	1780 g
Width:	357.23 mm
Depth:	235.43 mm
Height:	11.48 mm

Packaging data

Manual:	Y
AC adapter included:	Y
Power cord included:	Y

Operational conditions

Operating temperature (T-T):	0 - 40 °C
Storage temperature (T-T):	-40 - 70 °C
Operating relative humidity (H-H):	10 - 90 %
Storage relative humidity (H-H):	10 - 95 %
Operating altitude:	-15.2 - 3048 m
Non-operating altitude:	-15.2 - 10668 m
Operating shock:	110 G
Non-operating shock:	160 G
Operating vibration:	0.66 G
Non-operating vibration:	1.3 G

Certificates

Energy Star certified:	Y
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