![DELL logo]

DELL Latitude 12 Rugged Extreme (7204) Intel® Core™ i5 i5-4300U Hybrid (2-in-1) 29.5 cm (11.6") Touchscreen 8 GB DDR3L-SDRAM 256 GB SSD Windows 7 Professional US International Black

Brand : DELL **Product family:** Latitude **Product code:** 7204-7949

Product name : 12 Rugged Extreme (7204)

11.6" (1366 x 768, LED, Touch), Intel Core i5-4300U, 8GB (DDR3L), 256GB (SSD), 802.11 a/b/g/n/ac, Bluetooth 4.0, Intel HD Graphics 4400, WebCam (Full HD), Windows 7 Professional (64 bit), LAN, USB 2.0, 2 x USB 3.0, Serial Port, VGA, HDMI, 2.72 kg

DELL Latitude 12 Rugged Extreme (7204). Product type: Hybrid (2-in-1), Form factor: Convertible (Ferris Wheel). Processor family: Intel® Core™ i5, Processor: i5-4300U, Processor frequency: 1.9 GHz. Display diagonal: 29.5 cm (11.6"), Display resolution: 1366 x 768 pixels, Touchscreen. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. On-board graphics card model: Intel® HD Graphics 4400. Operating system installed: Windows 7 Professional. Product colour: Black
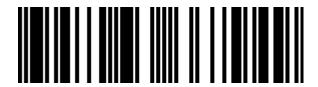
Design

Product type *	Hybrid (2-in-1)
Product colour *	Black
Form factor *	Convertible (Ferris Wheel)

Display

Touch screen type	Capacitive
Display diagonal *	29.5 cm (11.6")
Display resolution *	1366 x 768 pixels
Touchscreen *	✔
Touch technology	Multi-touch
LED backlight	✔
Native aspect ratio	16:9
Pixel pitch	0.1875 x 0.1875 mm

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i5
Processor generation	4th gen Intel® Core™ i5
Processor *	i5-4300U
Processor number of cores	2
Processor threads	4
Processor boost frequency	2.9 GHz
Processor frequency *	1.9 GHz
System bus data transfer rate	5 GT/s
Processor cache	3 MB
Processor cache type	Smart Cache
Processor socket	BGA 1168
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i5-4300 Mobile series
Processor codename	Haswell
Bus type	DMI2
FSB Parity	✘
Stepping	D0
Thermal Design Power (TDP)	15 W
Tjunction	100 °C

Processor special features

Intel Smart Connect Technology	✔
Intel Anti-Theft Technology	✔
Intel® Smart Response Technology	✔
Intel Identity Protection Technology	✔
Intel Hyper-Threading Technology	✔
Intel Turbo Boost Technology	2.0
Intel® Small Business Advantage (Intel® SBA)	✔
Intel Matrix Storage Technology	✘
Intel HD Audio Technology	✔
Enhanced Intel SpeedStep Technology	✔
Intel Clear Video HD Technology	✔
Intel Clear Video Technology	✘
Intel® InTru™ 3D Technology	✔
Intel® Insider™	✔
Intel® Quick Sync Video Technology	✔
Intel Flex Memory Access	✘
Intel® Smart Cache	✔
Intel AES New Instructions	✔
Intel Trusted Execution Technology	✔
Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✘
Intel® Secure Key	✔
Intel TSX-NI	✘
Intel Stable Image Platform Program (SIPP)	✔
Intel Clear Video Technology for MID	✘
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔

Processor

Maximum number of PCI Express lanes	12
PCI Express slots version	2.0
PCI Express configurations	4x1, 2x4
ECC supported by processor	✘

Memory

Internal memory *	8 GB
Internal memory type	DDR3L-SDRAM
Memory clock speed	1600 MHz
Memory form factor	SO-DIMM
Memory layout (slots x size)	2 x 4 GB
Memory slots	2x SO-DIMM
Memory, maximum *	16 GB

Storage

Total storage capacity *	256 GB
Storage media *	SSD
Number of SSDs installed	1
Solid-state drive capacity	256 GB
Solid-state drive interfaces	mSATA
Optical drive *	✘

Graphics

On-board graphics card *	✔
On-board graphics card family	Intel® HD Graphics
On-board graphics card model *	Intel® HD Graphics 4400
On-board graphics card base frequency	200 MHz
On-board graphics card dynamic frequency (max)	1100 MHz
Maximum on-board graphics card memory	1.74 GB
On-board graphics card DirectX version	12
On-board graphics card ID	0xA16

Audio

Audio system	HD
Number of built-in speakers	2
Speaker power	1 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution	1920 x 1080 pixels

Network

Wi-Fi	✔
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN connection	✔
Ethernet LAN data rates	10,100,1000 Mbit/s
Bluetooth	✔
Bluetooth version	4.0

Ports & interfaces

USB 2.0 ports quantity *	1
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2
Ethernet LAN (RJ-45) ports	1
HDMI ports quantity *	1
DVI port	✘
VGA (D-Sub) ports quantity	1

Processor special features

Thermal Monitoring Technologies	✔
Processor package size	40 x 24 x 1.5 mm
Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
Processor code	SR1ED
CPU configuration (max)	1
Embedded options available	✔
UART	✔
Intel Virtualization Technology for Directed I/O (VT-d)	✔
Intel Smart Connect Technology version	1.00
Intel Identity Protection Technology version	1.00
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 ME Firmware Version	9.5
Intel TSX-NI version	0.00
Intel Virtualization Technology (VT-x)	✔
Intel Dual Display Capable Technology	✘
Intel FDI Technology	✘
Intel Rapid Storage Technology	✔
Intel Fast Memory Access	✘
Processor ARK ID	76308
Conflict-Free processor	✔

Special features

Dell E-Value Code	CA002L72042EMEA

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	58 Wh

Power

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
AC adapter output current	3.34 A
AC adapter output voltage	19.5 V
DC-in jack	✔

Security

Cable lock slot	✔
Fingerprint reader	✔
Trusted Platform Module (TPM)	✔

Operational conditions

Operating temperature (T-T)	-29 - 63 °C
Storage temperature (T-T)	-51 - 71 °C
Operating relative humidity (H-H)	10 - 90%
Storage humidity	0 - 95%
Operating altitude	-15.24 - 4572 m
Storage altitude	-15.24 - 9144 m

Sustainability

Sustainability certificates	ENERGY STAR

Ports & interfaces

S/PDIF out port	✘
Microphone in	✘
Combo headphone/mic port	✔
Docking connector	✔
Serial ports quantity	1
Total number of SATA connectors	4
Number of SATA III connectors	4

Performance

Chipset	Intel Lynx Point-LP

Keyboard

Pointing device	Touchpad
Numeric keypad *	✘
Keyboard backlit	✔
Keyboard	QWERTY
Keyboard language	US International

Software

Operating system architecture	64-bit
Operating system language	Multilingual
Operating system installed *	Windows 7 Professional

Processor special features

Intel Wireless Display (WiDi) Technology	✔
Intel My WiFi Technology	✘

Weight & dimensions

Width	311 mm
Depth	219 mm
Height	39 mm
Weight *	2.72 kg

Packaging content

Mouse included	✘
AC adapter included *	✔
Keyboard included	✘
Power cord included	✔

Other features

LightScribe	✘
Maximum internal memory (64-bit)	16 GB
Intel segment tagging	Industrial

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