



## 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		Processor special features	
Product type *	Hybrid (2-in-1)	Intel Smart Connect Technology	✓
Product colour *	Black	Intel Anti-Theft Technology	✓
Form factor *	Convertible (Ferris Wheel)	Intel® Smart Response Technology	✓
Display		Intel Identity Protection Technology	✓
Touch screen type	Capacitive	Intel Hyper-Threading Technology	✓
Display diagonal *	29.5 cm (11.6")	Intel Turbo Boost Technology	2.0
Display resolution *	1366 x 768 pixels	Intel® Small Business Advantage (Intel® SBA)	✓
Touchscreen *	✓	Intel Matrix Storage Technology	✗
Touch technology	Multi-touch	Intel HD Audio Technology	✓
LED backlight	✓	Enhanced Intel SpeedStep Technology	✓
Native aspect ratio	16:9	Intel Clear Video HD Technology	✓
Pixel pitch	0.1875 x 0.1875 mm	Intel Clear Video Technology	✗
Processor		Intel® InTru™ 3D Technology	✓
Processor manufacturer *	Intel	Intel® Insider™	✓
Processor family *	Intel® Core™ i5	Intel® Quick Sync Video Technology	✓
Processor generation	4th gen Intel® Core™ i5	Intel Flex Memory Access	✗
Processor *	i5-4300U	Intel® Smart Cache	✓
Processor number of cores	2	Intel AES New Instructions	✓
Processor threads	4	Intel Trusted Execution Technology	✓
Processor boost frequency	2.9 GHz	Intel Enhanced Halt State	✓
Processor frequency *	1.9 GHz	Intel VT-x with Extended Page Tables (EPT)	✓
System bus data transfer rate	5 GT/s	Intel Demand Based Switching	✗
Processor cache	3 MB	Intel® Secure Key	✓
Processor cache type	Smart Cache	Intel TSX-NI	✗
Processor socket	BGA 1168	Intel Stable Image Platform Program (SIPP)	✓
Processor lithography	22 nm	Intel Clear Video Technology for MID	✗
Processor operating modes	64-bit	Intel 64	✓
Processor series	Intel Core i5-4300 Mobile series	Execute Disable Bit	✓
Processor codename	Haswell	Idle States	✓
Bus type	DMI2		
FSB Parity	✗		
Stepping	D0		
Thermal Design Power (TDP)	15 W		
Tjunction	100 °C		

Processor		Processor special features	
Maximum number of PCI Express lanes	12	Thermal Monitoring Technologies	✓
PCI Express slots version	2.0	Processor package size	40 x 24 x 1.5 mm
PCI Express configurations	4x1, 2x4	Supported instruction sets	AVX 2.0, SSE4.1, SSE4.2
ECC supported by processor	✗	Processor code	SR1ED
Memory		CPU configuration (max)	1
Internal memory *	8 GB	Embedded options available	✓
Internal memory type	DDR3L-SDRAM	UART	✓
Memory clock speed	1600 MHz	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Memory form factor	SO-DIMM	Intel Smart Connect Technology version	1.00
Memory layout (slots x size)	2 x 4 GB	Intel Identity Protection Technology version	1.00
Memory slots	2x SO-DIMM	Intel Smart Response Technology version	1.00
Memory, maximum *	16 GB	Intel Stable Image Platform Program (SIPP) version	1.00
Storage		Intel Secure Key Technology version	1.00
Total storage capacity *	256 GB	Intel Small Business Advantage (SBA) version	1.00
Storage media *	SSD	Intel ME Firmware Version	9.5
Number of SSDs installed	1	Intel TSX-NI version	0.00
Solid-state drive capacity	256 GB	Intel Virtualization Technology (VT-x)	✓
Solid-state drive interfaces	mSATA	Intel Dual Display Capable Technology	✗
Optical drive *	✗	Intel FDI Technology	✗
Graphics		Intel Rapid Storage Technology	✓
On-board graphics card *	✓	Intel Fast Memory Access	✗
On-board graphics card family	Intel® HD Graphics	Processor ARK ID	76308
On-board graphics card model *	Intel® HD Graphics 4400	Conflict-Free processor	✓
On-board graphics card base frequency	200 MHz	Special features	
On-board graphics card dynamic frequency (max)	1100 MHz	Dell E-Value Code	CA002L72042EMEA
Maximum on-board graphics card memory	1.74 GB	Battery	
On-board graphics card DirectX version	12	Battery technology	Lithium-Ion (Li-Ion)
On-board graphics card ID	0xA16	Number of battery cells	4
Audio		Battery capacity *	58 Wh
Audio system	HD	Power	
Number of built-in speakers	2	AC adapter power	65 W
Speaker power	1 W	AC adapter frequency	50 - 60 Hz
Built-in microphone	✓	AC adapter input voltage	100 - 240 V
Camera		AC adapter output current	3.34 A
Front camera	✓	AC adapter output voltage	19.5 V
Front camera resolution	1920 x 1080 pixels	DC-in jack	✓
Network		Security	
Wi-Fi	✓	Cable lock slot	✓
Wi-Fi standards	802.11a, Wi-Fi 5 (802.11ac), 802.11b, 802.11g, Wi-Fi 4 (802.11n)	Fingerprint reader	✓
Ethernet LAN connection	✓	Trusted Platform Module (TPM)	✓
Ethernet LAN data rates	10,100,1000 Mbit/s	Operational conditions	
Bluetooth	✓	Operating temperature (T-T)	-29 - 63 °C
Bluetooth version	4.0	Storage temperature (T-T)	-51 - 71 °C
Ports & interfaces		Operating relative humidity (H-H)	10 - 90%
USB 2.0 ports quantity *	1	Storage humidity	0 - 95%
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Operating altitude	-15.24 - 4572 m
Ethernet LAN (RJ-45) ports	1	Storage altitude	-15.24 - 9144 m
HDMI ports quantity *	1	Sustainability	
DVI port	✗	Sustainability certificates	ENERGY STAR
VGA (D-Sub) ports quantity	1		

Ports & interfaces		Weight & dimensions	
S/PDIF out port	✗	Width	311 mm
Microphone in	✗	Depth	219 mm
Combo headphone/mic port	✓	Height	39 mm
Docking connector	✓	Weight *	2.72 kg
Serial ports quantity	1	Packaging content	
Total number of SATA connectors	4	Mouse included	✗
Number of SATA III connectors	4	AC adapter included *	✓
Performance		Keyboard included	✗
Chipset	Intel Lynx Point-LP	Power cord included	✓
Keyboard		Other features	
Pointing device	Touchpad	LightScribe	✗
Numeric keypad *	✗	Maximum internal memory (64-bit)	16 GB
Keyboard backlit	✓	Intel segment tagging	Industrial
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	✗		



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