

## DELL Inspiron 17 Intel® Core™ i3 i3-4030U Laptop 43.9 cm (17.3") HD+ 4 GB DDR3L-SDRAM 500 GB HDD Windows 8.1 Black, Silver

Brand : DELL Product family: Inspiron Product code: FNCWH2402B

**Product name: 17** 

17.3" (1600 x 900, LED), Intel Core i3-4030U, 4GB (DDR3L), 500GB (HDD), Intel HD Graphics 4400, DVD+/-RW, 802.11 b/g/n, Bluetooth 4.0, Windows 8.1 (64 bit), 1 x USB 3.0, 2 x USB 2.0, 1 x LAN, 1 x HDMl, 3 kg

DELL Inspiron 17. Product type: Laptop, Form factor: Clamshell. Processor family: Intel® Core™ i3, Processor: i3-4030U, Processor frequency: 1.9 GHz. Display diagonal: 43.9 cm (17.3"), HD type: HD+, Display resolution: 1600 x 900 pixels. Internal memory: 4 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 500 GB, Storage media: HDD, Optical drive type: DVD±RW. Operating system installed: Windows 8.1. Product colour: Black, Silver





Design		Processor special features	
Product type * Product colour *	Laptop Black, Silver	Intel Wireless Display (WiDi) Technology	✓
Form factor *	Clamshell	Intel My WiFi Technology	×
Housing material	Aluminium	Intel Smart Connect Technology	✓
Display		Intel Anti-Theft Technology	✓
Display diagonal *	43.9 cm (17.3")	Intel® Rapid Start Technology	×
Display resolution *	1600 x 900 pixels	Intel® Smart Response Technology	×
Touch screen *	×	Intel Identity Protection Technology	✓
HD type	HD+	Intel Hyper-Threading Technology	✓
Display number of colors	16.78 million colours	Intel Turbo Boost Technology	×
LED backlight Native aspect ratio	<b>✓</b> 16:9	Intel® Small Business Advantage (Intel® SBA)	×
Pixel pitch	0.1875 x 0.1875 mm	Intel Matrix Storage Technology	×
Processor		Intel HD Audio Technology	✓
Processor manufacturer * Processor family *	Intel Intel® Core™ i3	Intel Active Management Technology	×
Processor generation	4th gen Intel® Core™ i3	Enhanced Intel SpeedStep Technology	✓
Processor *	i3-4030U	Intel Clear Video HD Technology	✓
Processor number of cores	2	Intel Clear Video Technology	×
Processor threads Processor frequency *	4 1.9 GHz	Intel® InTru™ 3D Technology	✓
System bus data transfer rate	5 GT/s	Intel® Insider™	✓
Processor cache	3 MB	Intel® Quick Sync Video Technology	<b>✓</b>
Processor cache type	Smart Cache	Intel Flex Memory Access	×
Processor socket	BGA 1168	Intel® Smart Cache	<b>✓</b>
Processor lithography	22 nm	Intel AES New Instructions	✓
Processor operating modes	64-bit	Intel Trusted Execution Technology	×
Processor series	Intel® Core™ i3-4000 Mobile Series	Intel Enhanced Halt State	/
Processor codename Bus type	Haswell DMI2	Intel VT-x with Extended Page Tables (EPT)	✓

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Spepping         DD         Intell SW         x	Processor		Processor special features	
The math Design Power (TDP)	FSB Parity		Intel Demand Based Switching	×
Tunction			Intel® Secure Key	<b>✓</b>
Maximum number of PCI Express   12	=		Intel TSX-NI	×
Image	•		Intel Clear Video Technology for MID	×
Mary	· .	12	Intel 64	✓
ECC supported by processor         X         Thermal Monitoring Technologies         ✓           Memory         A GB         Processor package size         40 x 24 x 1.5 mm           Internal memory 1 ppe         A GB         Supported internal memory 1 ppe         A GB         SRIEN           Memory Jock speed         1600 MHz         CPU configuration (max)         1         1           Memory Ispout (slots x size)         1 x 4 GB         UART         ✓         ✓           Memory Ispout (slots x size)         1 x 4 GB         UART         ✓         ✓           Memory Ispout (slots x size)         1 x 4 GB         UART         ✓         ✓           Total storage Capacity*         50 GB         Intel Secure Key Technology version         1.00         ✓           Total storage Capacity*         500 GB         Intel Mere Simarc Connect Technology version         1.00         ✓           Storage media **         MDD         Intel Secure Key Technology version         1.00         ✓           Total storage Capacity*         50 GB         Intel Secure Key Technology version         0.00         ✓           Total storage Capacity*         50 GB         Intel Secure Key Technology version         0.00         ✓           Storage media **         Na         MEMORY<	PCI Express slots version	2.0	Execute Disable Bit	✓
Memory         Internal memory + Internal memory + Internal memory by the Internal memory by In	PCI Express configurations	4x1, 2x4	Idle States	✓
Internal memory	ECC supported by processor	×	Thermal Monitoring Technologies	✓
	Memory		' '	40 x 24 x 1.5 mm
Internal memory year   DIVS-SURAM   CPU configuration (max)   1	Internal memory *	4 GB	• •	
Memory Jayout (slots x size)	Internal memory type	DDR3L-SDRAM		
Memory (a) with factors of size of Memory sibts         1. x 4 GB         UART         Very Comment of Memory sibts         Very Comment of Memory	Memory clock speed	1600 MHz		
Maximum internal memory	•			
Maximum internal memory				•
Storage         Intel Smart Connect Technology version         1.00           Total storage capacity**         500 GB         Intel Identity Protection Technology version         1.00           Number of hard drives installed         1         Intel Secure Key Technology version         1.00           Hard drive capacity*         500 GB         Intel NETK-NI version         0.00           Hard drive rotational speed         5400 RPM         Intel Virtualization Technology (VT-VX)         V           Hard drive rotational speed         5400 RPM         Intel Polity Virtualization Technology (VT-VXX)         V           Compatible memory cards         50, 5DHC, 5DXC         Intel FDI Technology         X           Card reader integrated         4         Technology         X           Circyline         Intel Rapid Storage Technology         X           Discrete graphics card model         Not available         Intel FDI Technology         X           On-board graphics card fromtel         Intel Brade Memory Access         X           On-board graphics card fromtel         Intel Brade Memory Access         X           On-board graphics card fromtel         Intel Brade Memory Access         X           On-board graphics card fromtel         Intel Brade Memory Access         Lithium-Intellinelinelinelinelinelinelinelinelineli	-			✓
Total storage capacity*         500 GB         Intel Identity Protection Technology         1.00           Storage media*         HDD         version         1.00           Number of hard drives installed         1         Intel Secure Key Technology version         1.00           Hard drive capacity         500 GB         Intel TSX-NI version         9.5           Hard drive interface         5400 RPM         Intel Unit Unit Unit Unit Unit Unit Unit Unit	-	8 GB	Intel Smart Connect Technology	1.00
Storage media	•	EOO CD		
Number of hard drives installed         1         Intel Secure Key Technology version 1.00         1.00           Hard drive capacity         500 GB         Intel ME Firmware Version         9.5           Hard drive interface         540 N RM         Intel ITX-NI version         0.00           Optical drive type*         DV±RW         Intel Dual Display Capable         X           Card reader integrated         ✓         Technology         X           Compatible memory cards         50, SDHC, SDXC         Intel FDI Technology         X           Ciraptics         Intel Rapid Storage Technology         X           Ciraptics         Intel Rapid Storage Technology         X           Discrete graphics card model **         Not a vailable         Intel Rapid Storage Technology         X           Discrete graphics card **         ✓         Processor ARK ID         8018           Discrete graphics card family         Intel® HD Graphics         Battery         Intel® HD Graphics Intel® HD Graphics Attention	• , ,			1.00
Hard drive capacity         500 GB         Intel ME Firmware Version         9.5           Hard drive interface         SATA         Intel Virtualization Technology (VT-X)         √           Hard drive interface         SADO RPM         Intel Virtualization Technology         ✓           Optical drive type **         DVD±RW         Intel Dual Display Capable         X           Card reader integrated         y Compatible memory cards         SD, SDHC, SDXC         Intel FD Technology         X           Graphics         Work available         Intel Rapid Storage Technology         X           Discrete graphics card model **         Not available         Intel Rapid Storage Technology         X           Discrete graphics card from Illy         Intel® HD Graphics         X         X           On-board graphics card from Illy         Intel® HD Graphics         Battery         X         X           On-board graphics card base frequency         1000 MHz         Battery capacity **         4         W           Grequency (max)         200 MHz         Battery recharge time         4         W           On-board graphics card base frequency         200 MHz         Battery recharge time         4         W           Grequency (max)         26B         Battery recharge time         4	•		Intel Secure Key Technology version	1.00
Intel   Virtualization   Technology   Virtualization		500 GB	Intel ME Firmware Version	9.5
Not Note Note Note Note Note Note Note	Hard drive interface	SATA		0.00
Optical drive type *         OPUSERW         Intel Dual Display Capable Technology         X           Card reader integrated         Y         Technology         X           Compatible memory cards         SD, SDHC, SDXC         Intel Rapid Storage Technology         Y           Graphics         Not available         Intel Rapid Storage Technology         Y           Discrete graphics card model *         Not available         Intel Fast Memory Access         X           On-board graphics card *         Y         Processor ARK ID         81018           Discrete graphics card *         X         Conflict-Free processor         Y           On-board graphics card fired graphics and doel *         Intel ® HD Graphics         Battery           On-board graphics card model *         Intel ® HD Graphics 4400         Battery celnology         Lithium-lon (Li-Ion)           On-board graphics card base frequency         Battery capacity *         40 Wh           Grequency (max)         200 MHz         Battery capacity *         40 Wh           Maximum on-board graphics card pricext wersion         12         Ac adapter power         65 W           On-board graphics card DirectX         12         Ac adapter power         65 W           Audio         Ax         Audio         Ac adapter input voltage	Hard drive rotational speed	5400 RPM		✓
Compatible memory cards  SD, SDHC, SDXC  Intel FDI Technology  Intel FDI FD Mark Intel  Intel FDI Technology				
Graphics     Intel Rapid Storage Technology     ✓       Discrete graphics card model * On-board graphics card *     Not available     Intel Fast Memory Access     x       On-board graphics card * On-board graphics card family     X     Conflict-Free processor     ✓       On-board graphics card family     Intel® HD Graphics     Battery       On-board graphics card damily     Intel® HD Graphics     Battery     Lithium-Ion (Li-Ion)       On-board graphics card base frequency     200 MHz     Number of battery cells     4       On-board graphics card dynamic frequency (max)     1000 MHz     Battery voltage     14.8 V       Maximum on-board graphics card DirectX version     2 GB     Energy Management       On-board graphics card ID     0xA16     AC adapter power     65 W       Audio     AC adapter power     65 W       Audio system     MaxxAudio     AC adapter output voltage     100 - 240 V       Audio system     MaxxAudio     AC adapter output voltage     19.5 V       Number of built-in speakers     2     DC-in jack     ✓       Speaker power     2 W     Security       Speaker power     2 W     Security       Speaker power     2 W     Security       Front camera     ✓     Cable lock slot type     Kensington       Front camera resolution (numeric	<u> </u>		Technology	×
Discrete graphics card model * Not available	Compatible memory cards	SD, SDHC, SDXC	Intel FDI Technology	×
On-board graphics card *         ✓         Processor ARK ID         81018           Discrete graphics card *         X         Conflict-Free processor         ✓           On-board graphics card family         Intel® HD Graphics         Battery           On-board graphics card model *         Intel® HD Graphics 4400         Battery technology         Lithium-Ion (Li-Ion)           On-board graphics card base frequency         200 MHz         Number of battery cells         4           On-board graphics card draphics card draphics card graphics card draphics card graphics card processor         26B         Battery voltage         14.8 V           Maximum on-board graphics card DirectX version         12         AC adapter precharge time         4 h           On-board graphics card DirectX version         12         AC adapter power         65 W           Audio         AC adapter input voltage         100 - 240 V           Audio system         MaxxAudio         AC adapter input voltage         19.5 V           Number of built-in speakers         2         Dc-In jack         ✓           Speakers manufacturer         Waves         Security         Kensington           Speaker power         2 W         Security         Kensington           Built-in microphone         ✓         Cable lock slot         ✓	Graphics		Intel Rapid Storage Technology	<b>*</b>
Discrete graphics card ★ On-board graphics card family On-board graphics card model ★ Intel® HD Graphics On-board graphics card model ★ On-board graphics card model ★ On-board graphics card base Frequency On-board graphics card base Frequency (max) Maximum on-board graphics card Memory  On-board graphics card DirectX Version On-board graphics card DirectX Version On-board graphics card ID  Audio  Audio A	Discrete graphics card model *	Not available	Intel Fast Memory Access	×
On-board graphics card family On-board graphics card model* Intel® HD Graphics Intel® HD Graphics 4400 On-board graphics card model* On-board graphics card base frequency On-board graphics card dynamic frequency (max) On-board graphics card dynamic frequency (max) On-board graphics card dynamic frequency (max)  Awaximum on-board graphics card memory On-board graphics card DirectX version On-board graphics card DirectX version On-board graphics card ID  OxA16  AC adapter power AC adapter requency AC adapter requency On-board graphics card ID  OxA16  AC adapter input voltage AC adapter output current AC adapter output current AC adapter output voltage Number of built-in speakers Speaker power  Speaker power  AC adapter output voltage  Version  AC adapter output voltage  AC adapter output voltage AC adapter output v	On-board graphics card *	✓		81018
On-board graphics card model **       Intel® HD Graphics 4400       Battery technology       Lithium-lon (Li-lon)         On-board graphics card base frequency       200 MHz       Number of battery cells       4         On-board graphics card dynamic frequency (max)       1000 MHz       Battery voltage       14.8 V         Maximum on-board graphics card memory       2 GB       Battery recharge time       4 h         On-board graphics card DirectX version       12       AC adapter power       65 W         On-board graphics card ID       0xA16       AC adapter frequency       50 - 60 Hz         Audio       AC adapter frequency       50 - 60 Hz         Audio system       MaxxAudio       AC adapter input voltage       100 - 240 V         Number of built-in speakers       2       DC-in jack       ✓         Speaker power       2 W       Security       V         Built-in microphone       ✓       Cable lock slot       ✓         Front camera       ✓       Cable lock slot type       Kensington         Front camera resolution (numeric)       0.92 MP       Operating temperature range (T-T)       0.40 °C         Front camera resolution       1280 x 720 pixels       Operating temperature range (T-T)       0.40 °C         Video capturing speed       30 fps	Discrete graphics card *	×	Conflict-Free processor	<b>/</b>
On-board graphics card base frequency     200 MHz     Number of battery cells     4       On-board graphics card dynamic frequency (max)     1000 MHz     Battery capacity*     40 Wh       Maximum on-board graphics card memory     2 GB     Battery voltage     14.8 V       On-board graphics card DirectX version     12     AC adapter power     65 W       On-board graphics card ID     0xA16     AC adapter frequency     50 -60 Hz       Audio     AC adapter input voltage     100 - 240 V       Audio     AC adapter input voltage     19.5 V       Number of built-in speakers     2     AC adapter output current     3.34 A       Speakers manufacturer     Waves     DC-in jack     ✓       Speakers manufacturer     Waves     Security       Built-in microphone     ✓     Security     Kensington       Front camera     ✓     Cable lock slot type     Kensington       Front camera resolution (numeric)     0.92 MP     Operating Londitions       Front camera resolution (numeric)     1280 x 720 pixels     Operating temperature range (T-T)     -40 -65 °C       Network     Video capturing speed     30 fps     Storage temperature range (T-T)     -0 -65 °C       Ni-Fi standards     40.211b, 802.11g, Wi-Fi 4 (802.11g)     Operating shock     110 G       Wi-Fi standards <t< td=""><td></td><td>•</td><td>Battery</td><td></td></t<>		•	Battery	
frequency On-board graphics card dynamic frequency (max)  Maximum on-board graphics card memory On-board graphics card DirectX On-board graphics card DirectX On-board graphics card DirectX On-board graphics card DirectX On-board graphics card ID On-board graphics card ID On-board graphics card ID OxA16  AC adapter power AC adapter frequency AC adapter input voltage AC adapter output current Audio system MaxxAudio AC adapter output current AC adapter output voltage Number of built-in speakers Speakers manufacturer Speaker power Built-in microphone  AC adapter output voltage AC adapter	• •	Intel® HD Graphics 4400	Battery technology	Lithium-Ion (Li-Ion)
Maximum on-board graphics card winding frequency (max)   2 GB   Battery recharge time   4 h		200 MHz	•	
Maximum on-board graphics card DirectX version  On-board graphics card ID  OxA16  AC adapter power  AC adapter frequency AC adapter input voltage AC adapter output current AC adapter output current AC adapter output current AC adapter output voltage AC adapter output volta		1000 MHz		
memory On-board graphics card DirectX version On-board graphics card ID On-board graphics card ID On-board graphics card ID OxA16  Act adapter power AC adapter frequency AC adapter input voltage AC adapter output current AC adapter output current AC adapter output voltage AC adapter output voltage Number of built-in speakers AC adapter output voltage Number of built-in speakers AC adapter output voltage A	· ·	2000 1 1112	, ,	
On-board graphics card DirectX version  On-board graphics card ID  OxA16  AC adapter power  AC adapter frequency  AC adapter input voltage AC adapter output current AC adapter output current AC adapter output current AC adapter output voltage AC adapte	<b>5</b> .	2 GB	, ,	411
Non-board graphics card ID  On-board graphics card ID  OxA16  AC adapter input voltage  AC adapter output current  3.34 A  AC adapter output voltage  19.5 V  DC-in jack  PC-in jack  Front camera  Front camera  Front camera  Front camera  Front camera resolution (numeric) Video capturing speed  30 fps  Operational Conditions  Front camera resolution  Vertical Conditions  Operating temperature range (T-T)  Video capturing speed  Network  Wi-Fi standards  Operating shock  Non-operating shock  Non-operating shock  Non-operating shock  I 10 G	On-board graphics card DirectX	12		
Audio  Audio system Audio system MaxxAudio AC adapter output current AC adapter output voltage Number of built-in speakers 2 Speakers manufacturer Waves Speaker power Built-in microphone V Cable lock slot  Camera Front camera Front camera resolution (numeric) Front camera resolution Video capturing speed 30 fps  Network  Wi-Fi Wi-Fi standards  MaxxAudio AC adapter output voltage DC-in jack  AC adapter output voltage 19.5 V  AC adapter output voltage 19.5 V  Cable lock slot V Cable lock slot V Cable lock slot type Password protection V Cable lock slot type V Cable lock slot V				
Audio system MaxxAudio AC adapter output current 3.34 A Audio system MaxxAudio AC adapter output voltage 19.5 V Number of built-in speakers 2 Speakers manufacturer Waves Speaker power 2 W Built-in microphone ✓ Cable lock slot ✓ Camera Camera Front camera resolution (numeric) 0.92 MP Front camera resolution 1280 x 720 pixels Operating temperature range (T-T) 0 - 40 °C Video capturing speed 30 fps  Network Wi-Fi Wi-Fi standards 802.11b, 802.11g, Wi-Fi 4 (802.11n)  AC adapter output current 3.34 A AC adapter output voltage 19.5 V Pos Vidapter output voltage 19.5 V Pos Vinjes voltage voltage output voltage 19.5 V Pos Vinjes voltage volt	On-board graphics card ID	0xA16	, , , ,	
Audio systemMaxxAudioAC adapter output voltage19.5 VNumber of built-in speakers2DC-in jack✓Speakers manufacturerWavesSecuritySpeaker power2 WSecurityBuilt-in microphone✓Cable lock slot✓CameraCable lock slot typeKensingtonFront camera✓Password protection✓Front camera resolution (numeric)0.92 MPOperatinal ConditionsFront camera resolution1280 x 720 pixelsOperating temperature range (T-T)0 - 40 °CVideo capturing speed30 fpsStorage temperature range (T-T)-40 - 65 °CNetworkVi-Fi✓Operating shock110 GWi-Fi✓Operating shock110 GWi-Fi standards802.11b, 802.11g, Wi-Fi 4 (802.11n)Non-operating shock160 G	Audio		· · · ·	
Speaker manufacturer  Speaker power  Speaker power  Built-in microphone  Zum  Cable lock slot  Cable lock slot type Cable lock slot type Password protection  Front camera resolution (numeric)  Front camera resolution  Front camera resolution  1280 x 720 pixels  Operating temperature range (T-T)  Video capturing speed  30 fps  Storage temperature range (T-T)  Video capturing speed  Network  Wi-Fi  Wi-Fi  Wi-Fi  Wi-Fi  Storage relative humidity range  Operating shock  Non-operating shock  100 G	•			
Speaker power2 WSecurityBuilt-in microphone✓Cable lock slot✓CameraCable lock slot typeKensingtonFront camera✓Password protection✓Front camera resolution (numeric)0.92 MPOperational ConditionsFront camera resolution1280 x 720 pixelsOperating temperature range (T-T)0 - 40 °CVideo capturing speed30 fpsStorage temperature range (T-T)-40 - 65 °CVideo whereOperating relative humidity range10 - 90%Storage relative humidity range0 - 95%Wi-Fi✓Operating shock110 GWi-Fi standards802.11b, 802.11g, Wi-Fi 4 (802.11n)Non-operating shock160 G			DC-in jack	<b>✓</b>
Built-in microphone  Cable lock slot  Cable lock slot type Password protection  Front camera resolution (numeric) Front camera resolution Front camera resolution Front camera resolution Front camera resolution 1280 x 720 pixels Operating temperature range (T-T) Video capturing speed  30 fps Storage temperature range (T-T) Operating relative humidity range Wi-Fi Wi-Fi Wi-Fi standards  802.11b, 802.11g, Wi-Fi 4 (802.11n) Non-operating shock Non-operating shock 110 G Non-operating shock 160 G	•		Security	
Camera  Front camera Front camera resolution (numeric) Front camera resolution Front camera resolution Front camera resolution Front camera resolution 1280 x 720 pixels Operating temperature range (T-T) Video capturing speed  Network  Wi-Fi Wi-Fi Wi-Fi standards  Ozable lock slot type Password protection  Password protection  Operational Conditions  Operating temperature range (T-T) O - 40 °C  Storage temperature range (T-T) Operating relative humidity range Operating relative humidity range Operating shock  Non-operating shock 110 G Non-operating shock 160 G	·		•	
Front camera Front camera resolution (numeric) Front camera resolution (numeric) Front camera resolution  1280 x 720 pixels Operating temperature range (T-T) Video capturing speed  Network  Wi-Fi Wi-Fi Wi-Fi standards  Password protection  Operating temperature range (T-T) O - 40 °C  Storage temperature range (T-T) Operating relative humidity range Storage relative humidity range Operating shock Non-operating shock Non-operating shock 110 G Non-operating shock	·	•		
Front camera Front camera resolution (numeric)  Operational Conditions  Front camera resolution  1280 x 720 pixels  Operating temperature range (T-T)  Video capturing speed  30 fps  Storage temperature range (T-T)  O - 40 °C  Voleo capturing speed  Network  Wi-Fi  Wi-Fi  Wi-Fi  Wi-Fi standards  802.11b, 802.11g, Wi-Fi 4 (802.11n)  Operating relative humidity range Storage relative humidity range Operating shock  Non-operating shock  110 G  Non-operating shock  160 G	Camera		**	-
Front camera resolution  1280 x 720 pixels  Operating temperature range (T-T)  Video capturing speed  30 fps  Storage temperature range (T-T)  O - 40 °C  -40 - 65 °C  Operating relative humidity range  Storage relative humidity range  Operating shock  Wi-Fi  Wi-Fi standards  802.11b, 802.11g, Wi-Fi 4 (802.11n)  Non-operating shock  110 G  Non-operating shock  160 G			·	
Video capturing speed 30 fps Storage temperature range (T-T) -40 - 65 °C  Network  Wi-Fi  Wi-Fi standards 802.11b, 802.11g, Wi-Fi 4 (802.11n)  Value of the speed of the storage temperature range (T-T) -40 - 65 °C  Operating relative humidity range 0 - 90%  Storage relative humidity range 0 - 95%  Operating shock 110 G  Non-operating shock 160 G				0. 40.00
NetworkOperating relative humidity range10 - 90%Wi-Fi✓Storage relative humidity range0 - 95%Wi-Fi standards802.11b, 802.11g, Wi-Fi 4 (802.11n)Operating shock110 GNon-operating shock160 G		·		
Wi-Fi Wi-Fi standards 802.11b, 802.11g, Wi-Fi 4 (802.11n) Storage relative humidity range 0 - 95% Operating shock 110 G Non-operating shock 160 G		ου τρο		
Wi-Fi Wi-Fi standards Wi-Fi standards 802.11b, 802.11g, Wi-Fi 4 (802.11n) Non-operating shock Non-operating shock 110 G Non-operating shock 160 G	Network			
Wi-Fi standards 802.11b, 802.11g, Wi-Fi 4 (802.11n) Non-operating shock 160 G	Wi-Fi		, ,	
Ethernet LAN connection Operating vibration 0.66 G		802.11b, 802.11g, Wi-Fi 4 (802.11n)		
	Ethernet LAN connection	<b>✓</b>	Operating vibration	0.66 G

Network		Operational Conditions	
Ethernet LAN data rates	10,100,1000 Mbit/s	Non-operating vibration	1.3 G
Bluetooth	✓	Certificates	
Bluetooth version	4.0	Compliance certificates	RoHS
Ports & interfaces		Sustainability	
USB 2.0 ports quantity *	2	Sustainability certificates	EPEAT Silver, ENERGY STAR
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1	Weight & Dimensions	
Ethernet LAN (RJ-45) ports quantity	1	Width	414.3 mm
HDMI ports quantity *	1	Depth	285.7 mm
HDMI version	1.4a	Height	28.4 mm
DVI port	×	Weight *	3 kg
S/PDIF out port	×	Packaging Content	
Microphone in	×	AC adapter bundled *	✓
Combo headphone/mic port	<b>✓</b>	Manual	<b>✓</b>
Docking connector	×	Power cord included	1
ExpressCard slot	×	Other features	
CardBus PCMCIA slot type	×		0.60
SmartCard slot	×	Maximum internal memory (64-bit) Intel Virtualization Technology	8 GB VT-d, VT-x
Total number of SATA connectors	4	Intel segment tagging	Home office
Number of SATA III connectors	4	inter segment tagging	nome office
Keyboard			
Pointing device	Touchpad		
Numeric keypad *	✓		
Full-size keyboard	✓		
Windows keys	<b>✓</b>		
Software			
Operating system architecture	64-bit		
Operating system installed *	Windows 8.1		

## **Catalog Object Cloud**



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