Lenovo

Lenovo IdeaPad Yoga 2 Pro Intel® Core™ i7 i7-4500U Laptop 33.8 cm (13.3") Touch screen Quad HD+ 8 GB DDR3L-SDRAM 256 GB SSD Wi-Fi 4 (802.11n) Windows 8 Silver

Brand : Lenovo   **Product family:** IdeaPad   **Product code:** 59401447

Product name : Yoga 2 Pro

13.3" (3200 x 1800, QHD+, Touch), Intel Core i7-4500U, 8GB (DDR3L), 256GB (SSD), Intel HD Graphics 4400, 802.11 b/g/n, Bluetooth 4.0, 1 x USB 2.0, 1 x USB 3.0, micro-HDMI, Windows 8, 1.39 kg
Lenovo IdeaPad Yoga 2 Pro. Product type: Laptop, Form factor: Convertible (Folder). Processor family: Intel® Core™ i7, Processor: i7-4500U, Processor frequency: 1.8 GHz. Display diagonal: 33.8 cm (13.3"), HD type: Quad HD+, Display resolution: 3200 x 1800 pixels, Touch screen. Internal memory: 8 GB, Internal memory type: DDR3L-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. Operating system installed: Windows 8. Product colour: Silver

Design

Product type *	Laptop
Product colour *	Silver
Form factor *	Convertible (Folder)
Market positioning	Business

Display

Touch screen type	Capacitive
Display diagonal *	33.8 cm (13.3")
Display resolution *	3200 x 1800 pixels
Touch screen *	✔
HD type	Quad HD+
Touch technology	Multi-touch
Panel type	IPS
LED backlight	✔
Native aspect ratio	16:9
Display brightness	350 cd/m²
Contrast ratio (typical)	800:1

Processor

Processor manufacturer *	Intel
Processor family *	Intel® Core™ i7
Processor generation	4th gen Intel® Core™ i7
Processor *	i7-4500U
Processor number of cores	2
Processor threads	4
Processor boost frequency	3 GHz
Processor frequency *	1.8 GHz
Processor cache	4 MB
Processor cache type	Smart Cache
Processor socket	BGA 1168
Processor lithography	22 nm
Processor operating modes	64-bit
Processor series	Intel Core i7-4500 Mobile series
Processor codename	Haswell
Bus type	DMI2
FSB Parity	✘
Stepping	C0

Keyboard

Numeric keypad *	✘
Keyboard backlit	✔
Full-size keyboard	✔
Windows keys	✔

Software

Operating system installed *	Windows 8

Processor special features

Intel Wireless Display (WiDi) Technology	✔
Intel My WiFi Technology	✔
Intel Smart Connect Technology	✔
Intel Anti-Theft Technology	✔
Intel® Rapid Start 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	✔
Intel Active Management 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 AES New Instructions	✔
Intel Trusted Execution Technology	✘

Processor

Thermal Design Power (TDP)	15 W
Tjunction	100 °C
Maximum number of PCI Express lanes	12
PCI Express slots version	2.0
PCI Express configurations	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)	1 x 8 GB
Memory slots	1x SO-DIMM
Maximum internal memory *	8 GB

Storage

Total storage capacity *	256 GB
Storage media *	SSD
Number of SSDs installed	1
Solid-state drive capacity	256 GB
Optical drive type *	✗
Card reader integrated	✔
Compatible memory cards	MMC, SD

Graphics

Discrete graphics card model *	Not available
On-board graphics card *	✔
Discrete 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	Dolby Home Theater
Number of built-in speakers	2
Speaker power	1.5 W
Built-in microphone	✔

Camera

Front camera	✔
Front camera resolution (numeric)	1 MP
Front camera resolution	1280 x 720 pixels

Network

Wi-Fi	✔
Top Wi-Fi standard *	Wi-Fi 4 (802.11n)
Wi-Fi standards	802.11b, 802.11g, Wi-Fi 4 (802.11n)
Ethernet LAN connection	✗
Bluetooth	✔
Bluetooth version	4.0

Ports & interfaces

USB 2.0 ports quantity *	1

Processor special features

Intel Enhanced Halt State	✔
Intel VT-x with Extended Page Tables (EPT)	✔
Intel Demand Based Switching	✗
Intel® Secure Key	✔
Intel TSX-NI	✗
Intel Clear Video Technology for MID	✗
Intel 64	✔
Execute Disable Bit	✔
Idle States	✔
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	SR16Z
CPU configuration (max)	1
Embedded options available	✗
Intel Virtualization Technology for Directed I/O (VT-d)	✗
Intel Smart Connect Technology version	1.00
Intel Identity Protection Technology version	1.00
Intel Secure Key Technology 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	75460
Conflict-Free processor	✔

Battery

Battery technology	Lithium-Ion (Li-Ion)
Number of battery cells	4
Battery capacity *	54 Wh
Battery life (max)	9 h

Energy Management

AC adapter power	65 W
AC adapter frequency	50 - 60 Hz
AC adapter input voltage	100 - 240 V
DC-in jack	✔

Security

Cable lock slot	✗

Certificates

Compliance certificates	RoHS

Sustainability

Sustainability certificates	ENERGY STAR

Weight & Dimensions

Width	330 mm
Depth	220 mm
Height	15.5 mm
Weight *	1.39 kg

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
DVI port	✘
Micro HDMI ports quantity	1
S/PDIF out port	✘
Microphone in	✘
Combo headphone/mic port	✔
Docking connector	✘
ExpressCard slot	✘
CardBus PCMCIA slot type	✘
SmartCard slot	✘
Total number of SATA connectors	4
Number of SATA III connectors	4

Keyboard

Pointing device	Touchpad

Packaging Content

AC adapter bundled *	✔
Manual	✔
Power cord included	✔

Other features

LightScribe	✘
Maximum internal memory (64-bit)	8 GB
Intel Virtualization Technology	VT-x

Ports & interfaces

USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	1
DVI port	✘
Micro HDMI ports quantity	1

Packaging Content

AC adapter bundled *	✔
Manual	✔
Power cord included	✔

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