



Lenovo ThinkPad Helix Intel® Core™ i7 i7-3667U Laptop 29,5 cm (11.6") Touchscreen Full HD 8 GB DDR3-SDRAM 256 GB SSD Windows 8 Pro English Black

Brand : Lenovo

Product family: ThinkPad

Article code: 37023SU

Product name : Helix

Lenovo ThinkPad Helix. Product type: Laptop, Form factor: Convertible (Detachable). Processor family: Intel® Core™ i7, Processor model: i7-3667U, Processor frequency: 2 GHz. Display diagonal: 29,5 cm (11.6"), HD type: Full HD, Display resolution: 1920 x 1080 pixels, Touchscreen. Internal memory: 8 GB, Internal memory type: DDR3-SDRAM. Total storage capacity: 256 GB, Storage media: SSD. Operating system installed: Windows 8 Pro. Product color: Black



Design		Software	
Product type *	Laptop	Operating system architecture	64-bit
Product color *	Black	Operating system installed *	Windows 8 Pro
Form factor *	Convertible (Detachable)	Processor special features	
Display		Intel® Wireless Display (Intel® WiDi)	✓
Touchscreen type	Capacitive	Intel® My WiFi Technology (Intel® MWT)	✓
Display diagonal *	29,5 cm (11.6")	Intel® Anti-Theft Technology (Intel® AT)	✓
Display resolution *	1920 x 1080 pixels	Intel® Identity Protection Technology (Intel® IPT)	✓
Touchscreen *	✓	Intel® Hyper Threading Technology (Intel® HT Technology)	✓
HD type	Full HD	Intel® Turbo Boost Technology	2.0
Touch technology	Multi-touch	Intel® Small Business Advantage (Intel® SBA)	✗
Display number of colors	16.78 million colours	Enhanced Intel SpeedStep Technology	✓
LED backlight	✓	Intel® Clear Video HD Technology (Intel® CVT HD)	✓
Native aspect ratio	16:9	Intel Clear Video Technology	✗
Display brightness	400 cd/m²	Intel® InTru™ 3D Technology	✓
Processor		Intel® Insider™	✓
Processor manufacturer *	Intel	Intel® Quick Sync Video Technology	✓
Processor family *	Intel® Core™ i7	Intel Flex Memory Access	✓
Processor generation	3rd gen Intel® Core™ i7	Intel® Smart Cache	✓
Processor model *	i7-3667U	Intel® AES New Instructions (Intel® AES-NI)	✓
Processor cores	2	Intel Trusted Execution Technology	✓
Processor threads	4	Intel Enhanced Halt State	✓
Processor boost frequency	3,2 GHz		
Processor frequency *	2 GHz		
System bus rate	5 GT/s		
Processor cache	4 MB		
Processor cache type	Smart Cache		
Processor socket	BGA 1023		
Processor lithography	22 nm		

Processor		Processor special features	
Processor operating modes	64-bit	Intel VT-x with Extended Page Tables (EPT)	✓
Processor series	Intel Core i7-3600 Mobile series	Intel Demand Based Switching	✗
Processor codename	Ivy Bridge	Intel® Secure Key	✓
Bus type	DMI	Intel® Clear Video Technology for Mobile Internet Devices (Intel CVT for MID)	✗
FSB Parity	✗	Intel 64	✓
Stepping	L1	Execute Disable Bit	✓
Thermal Design Power (TDP)	17 W	Idle States	✓
Tjunction	105 °C	Thermal Monitoring Technologies	✓
Maximum number of PCI Express lanes	16	Processor package size	31 x 24 mm
PCI Express slots version	2.0	Supported instruction sets	AVX
PCI Express configurations	1x8, 1x16, 2x4, 2x8	Processor code	SR0N5
CPU multiplier (bus/core ratio)	20	CPU configuration (max)	1
ECC supported by processor	✗	Embedded options available	✗
Memory		Graphics & IMC lithography	22 nm
Internal memory *	8 GB	Intel Virtualization Technology for Directed I/O (VT-d)	✓
Internal memory type	DDR3-SDRAM	Intel Identity Protection Technology version	1,00
Memory clock speed	1333 MHz	Intel Secure Key Technology version	1,00
Memory form factor	On-board	Intel Virtualization Technology (VT-x)	✓
Memory layout (slots x size)	1 x 8 GB	Intel Dual Display Capable Technology	✓
Maximum internal memory *	8 GB	Intel FDI Technology	✓
Storage		Intel Rapid Storage Technology	✗
Total storage capacity *	256 GB	Intel Fast Memory Access	✓
Storage media *	SSD	Processor ARK ID	64898
HDD capacity	0 GB	Conflict-Free processor	✓
Number of SSDs installed	1	Integrated 4G WiMAX	✓
SSD capacity	256 GB	Battery	
SSD interface	Micro SATA III	Battery technology	Lithium Polymer (LiPo)
Optical drive type *	✗	Number of battery cells	3+4
Graphics		Battery life (max)	10 h
Discrete graphics card model *	Not available	Power	
On-board graphics card *	✓	AC adapter frequency	50 - 60 Hz
Discrete graphics card *	✗	AC adapter input voltage	100 - 240 V
On-board graphics card family	Intel® HD Graphics	AC adapter output current	3,42 A
On-board graphics card model *	Intel® HD Graphics 4000	AC adapter output voltage	19 V
On-board graphics card base frequency	350 MHz	Power auto-sensing	✓
On-board graphics card dynamic frequency (max)	1150 MHz	DC-in jack	✓
On-board graphics card ID	0x166	Security	
Audio		Cable lock slot	✗
Audio system	Dolby Home Theater v4	Fingerprint reader	✗
Number of built-in speakers	2	Password protection type	✓
Built-in microphone	✓	Operational conditions	
Camera		Operating temperature (T-T)	5 - 35 °C
Front camera resolution (numeric)	2 MP	Storage temperature (T-T)	-15 - 60 °C
Front camera resolution	1920 x 1080 pixels	Operating relative humidity (H-H)	10 - 80%
Auto focus	✓	Storage relative humidity (H-H)	10 - 90%
Rear camera	✓	Operating altitude	0 - 3050 m
Rear camera resolution (numeric)	5 MP	Non-operating altitude	0 - 4570 m
Network		Certificates	
Wi-Fi	✓	Wi-Fi certified	✓
Wi-Fi standards	802.11a, 802.11g, Wi-Fi 4 (802.11n)	Compliance certificates	RoHS
Ethernet LAN	✗		
Bluetooth	✓		
Bluetooth version	4.0		
Near Field Communication (NFC)	✓		

Network		Sustainability	
WWAN	Not installed	Sustainability certificates	EPEAT Gold, ENERGY STAR
4G WiMAX	✗	Weight & dimensions	
4G LTE	✗	Width	296,1 mm
Ports & interfaces		Depth	187,3 mm
USB 2.0 ports quantity *	1	Height	20,4 mm
USB 3.2 Gen 1 (3.1 Gen 1) Type-A ports quantity *	2	Weight *	1,7 kg
Mini DisplayPorts quantity	1	Packaging content	
DVI port	✗	AC adapter included *	✓
Headphone outputs	1	Cables included	AC
S/PDIF out port	✗	Manual	✓
Combo headphone/mic port	✓	Quick start guide	✓
Docking connector	✓	Warranty card	✓
ExpressCard slot	✗	Other features	
CardBus PCMCIA slot type	✗	LightScribe	✗
SmartCard slot	✗	Disc types supported	✗
Headphone connectivity	3.5 mm	3D	✗
Keyboard		Maximum internal memory (64-bit)	8 GB
Pointing device	Clickpad	Intel segment tagging	Home office, Small Business
Numeric keypad *	✗		
Island-style keyboard	✓		
Full-size keyboard	✓		
Keyboard layout	QWERTY		
Keyboard language	English		

Catalog Object Cloud



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