

ThinkPad Helix (2nd Gen) Platform Specifications

Product Specifications Reference (PSREF)

Positioning	Convertible with many modes - Tent, Notebook, Stand, Desktop, and Tablet									Case color	Graphite black																	
Processor	5th Generation Intel® Core™ M or Core M vPro™ Processor									Case material	PC/ABS (Acrylonitrile-Butadiene-Styrene), and Aluminum																	
	Processor Number	# of Cores	# of Threads	Clock Speed	Max Turbo Frequency	Cache	Memory speed	Processor Graphics	Intel vPro Technology	Multicard reader	Support micro SD (2G max), micro SDHC (32G max), micro SDXC (64G max)																	
	5Y10	2	4	0.8 GHz	2.0 GHz	4MB	LPDDR3-1600	Intel HD graphics 5300	No Yes No Yes	Tablet ports	One USB 3.0 (one Always On), micro HDMI, micro SD, Micro SIM, Dock connector																	
	5Y70			1.1 GHz	2.6 GHz					Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus																	
	5Y10C			0.8 GHz	2.0 GHz					Audio support	Rear camera: 5.0-megapixel, 1080p resolution, auto focus																	
	5Y71			1.2 GHz	2.9 GHz					HD Audio, Realtek® ALC286-VC codec, stereo speakers, 0.7W x 2 / three microphones, combo audio/mic jack																		
Graphics	Intel HD Graphics 5300 in processor, external digital monitor support via micro HDMI, dual independent display; Max external resolution: 1920x1080 (micro HDMI)@60Hz									Control buttons	Windows button, Power button, volume button, rotation lock switch, reset switch																	
Chipset	Intel Core M & Intel Core M vPro									Keyboard (optional)	Pro: Ultrabook Pro Keyboard, (Battery keyboard)6-row, TrackPoint® pointing device, MultiTouch with 3+2 buttons click pad, security keyhole, one USB 3.0, one Mini DisplayPort, integrated 4-cell battery (Li-Polymer, 26Wh), 36-watt AC adapter can charge both the Tablet battery and Keyboard battery, pen holder, backlight																	
Memory	8GB max / PC3-12800 1600MHz LPDDR3, soldered to systemboard, no sockets									Non-pro:	Ultrabook Keyboard, (Mechanical keyboard) 6-row, touchpad w/ 2 integrated buttons, one USB 2.0, pen holder																	
Display	11.6" (295mm) FHD (1920x1080) TFT color, VibrantView (glossy) display with infinity Corning® Gorilla® Glass, LED backlight, 370 nits, 16:9 aspect ratio, 800:1 contrast ratio, IPS, WideView (170° viewing), MultiTouch screen supports ten-finger gesture, One Glass Solution									Folio:	Folio Keyboard, thin keyboard, no ports, pen holder																	
Digitizer Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required									Security	Power-on password, hard disk password, supervisor password, security keyhole																	
Storage	M.2 2280 SSD, 128GB or 256GB, 256GB SSD supports OPAL									Security chip	Optional: Trusted Platform Module, TCG 1.2-compliant																	
Optical	None									vPro	Optional: Intel vPro Technology																	
Ethernet	None									Fingerprint reader	Fingerprint reader																	
WLAN	11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 Card									NFC	Optional: Near Field Communication																	
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Smart Cover	Optional: Quickshot cover																	
WWAN	Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card									Tablet battery	Integrated Li-Polymer 2-cell (35Wh)																	
Micro SIM card (optional)	One of the following, configurable by model: <ul style="list-style-type: none">AT&T® or Verizon® LTE (4G), contract required with service providerUser selectable, contract required with service provider									Keyboard battery	Li-Polymer 4-cell (26Wh)																	
Smart Card Read	Optional: Smart Card reader									Battery - life	Battery configuration	2-cell	2-cell + 4-cell															
Monitor Cable	Optional: Micro-HDMI to VGA monitor cable									Battery life	8 hr		12 hr															
Light sensor	Ambient Light Sensor									AC adapter	36-watt AC adapter																	
G-sensor/ eCompass	3D accelerometer and 3D magnetometer									Preload	Some: Windows 8.1 64-bit Some: Windows 8.1 Pro 64-bit <ul style="list-style-type: none">Lenovo SupportLenovo CompanionThinkVantage System UpdateLenovo ReachMicrosoft Office preloaded; purchase a product key to activateNorton Internet Security (30 days of virus definitions)																	
Gyroscope	3D compass, 3D inclinometer									Limited warranty	Some: Windows 10 Pro 64 <ul style="list-style-type: none">Lenovo Solution CenterLenovo CompanionLenovo REACHitLenovo SHAREitMicrosoft® Office preloaded; purchase a product key to activateMcAfee LiveSafe (30 days of virus definitions)																	
Dimensions	11.6W" WLAN/WWAN: 11.9" x 7.58" x 0.38" (301.1mm x 192.5mm x 9.6mm) 11.6W" SmartCard reader: 11.9" x 7.58" x 0.76" (301.1mm x 192.5mm x 19.4mm)									Mil-Spec test	One of the following, configurable by model: <ul style="list-style-type: none">1-year - depot repair service / service upgrades available3-year - depot repair service / service upgrades available																	
Tablet Weight	<table border="1"> <tr> <th>WiFi/Touch</th><th>WiFi/Digitizer</th><th>WWAN/Touch</th><th>WWAN/Digitizer</th><th>SmartCard</th></tr> <tr> <td>795g</td><td>822g</td><td>795g</td><td>822g</td><td>855g</td></tr> <tr> <td>1.75 lb</td><td>1.81 lb</td><td>1.75 lb</td><td>1.81 lb</td><td>1.88 lb</td></tr> </table>									WiFi/Touch	WiFi/Digitizer	WWAN/Touch	WWAN/Digitizer	SmartCard	795g	822g	795g	822g	855g	1.75 lb	1.81 lb	1.75 lb	1.81 lb	1.88 lb	Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant		
WiFi/Touch	WiFi/Digitizer	WWAN/Touch	WWAN/Digitizer	SmartCard																								
795g	822g	795g	822g	855g																								
1.75 lb	1.81 lb	1.75 lb	1.81 lb	1.88 lb																								
Keyboard weight	Ultrabook Pro Keyboard: 900g/1.98 lb Ultrabook Keyboard: 560g/1.23 lb										© Lenovo (DK1-Spec) August 2015																	

Model		20CG0052++
Product		ThinkPad Helix (2nd Gen)
Region		WE
Machine Type		20CG
TopSeller		TopSeller
Processor		Core M3-5Y71 (2C, 1.2 / 2.9GHz, 4MB)
Graphics		Integrated Intel HD Graphics 5300
Memory		8GB Soldered
Display		11.6" FHD (1920x1080) IPS
Multi-touch		10-point Multi-touch
Storage		256GB SSD M.2 Opal2
WLAN + Bluetooth		Intel 7265 ac, 2x2 + BT4.0
WWAN		Sierra EM7345
SIM Card		None
Smart Card Reader		Smart Card Reader
Monitor Cable		None
Camera		Front 2.0MP / Rear 5.0MP
Keyboard Docking		Non-pro Keyboard
Smart Cover		None
Pen		Active Pen
Fingerprint Reader		Fingerprint Reader
NFC		NFC
Battery		2-cell (35Wh)
Power Adapter		36W
Operating System		Windows 8.1 Pro 64-bit
Warranty		3-year, Depot
Global		No
Ann Date (mm/yy)		04/15



