

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	Tablet ports	One USB 3.0 (one Always On), micro HDMI, micro SD, Micro SIM, Dock connector								
	5Y70			1.1 GHz	2.6 GHz				Yes	Camera	Front camera: 2.0-megapixel, 1080p resolution, fixed focus Rear camera: 5.0-megapixel, 1080p resolution, auto focus								
	5Y10C			0.8 GHz	2.0 GHz				No	Audio support	HD Audio, Realtek® ALC286-VC codec, stereo speakers, 0.7W x 2 / three microphones, combo audio/mic jack								
	5Y71			1.2 GHz	2.9 GHz				Yes	Control buttons	Windows button, Power button, volume button, rotation lock switch, reset switch								
Graphics	Intel HD Graphics 5300 in processor, external digital monitor support via micro HDMI, dual independent display; Max external resolution: 1920x1080 (micro HDMI) @60Hz									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 Non-pro: Ultrabook Keyboard, (Mechanical keyboard) 6-row, touchpad w/ 2 integrated buttons, one USB 2.0, pen holder Folio: Folio Keyboard, thin keyboard, no ports, pen holder								
Chipset	Intel Core M & Intel Core M vPro									Security	Power-on password, hard disk password, supervisor password, security keyhole								
Memory	8GB max / PC3-12800 1600MHz LPDDR3, soldered to systemboard, no sockets									Security chip vPro	Optional: Trusted Platform Module, TCG 1.2-compliant								
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									Optional: Intel vPro Technology									
Digitizer Pen	Wacom® digitizer pen, supports hover, tip, and pressure modes / a button for selection / no batteries required									Fingerprint reader	Fingerprint reader								
Storage	M.2 2280 SSD, 128GB or 256GB, 256GB SSD supports OPAL									NFC	Optional: Near Field Communication								
Optical	None									Smart Cover	Optional: Quickshot cover								
Ethernet	None									Tablet battery	Integrated Li-Polymer 2-cell (35Wh)								
WLAN	11ac, Intel Dual Band Wireless-AC 7265, 2x2, Wi-Fi + BT adapter, M.2 Card									Keyboard battery	Li-Polymer 4-cell (26Wh)								
Bluetooth™	Bluetooth 4.0 wireless, integrated in Wi-Fi + Bluetooth combo adapter									Battery - life	<table><tr><td>Battery configuration</td><td>2-cell</td><td>2-cell + 4-cell</td></tr><tr><td>Battery life</td><td>8 hr</td><td>12 hr</td></tr></table>			Battery configuration	2-cell	2-cell + 4-cell	Battery life	8 hr	12 hr
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Battery life	8 hr	12 hr																	
WWAN	Optional: Sierra Wireless EM7345, 4G LTE/HSPA/GSM/GPRS/EDGE, GPS, M.2 Card									AC adapter	36-watt AC adapter								
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									Preload	<div><div>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)</div><div>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)</div></div>								
Smart Card Read	Optional: Smart Card reader									Limited warranty	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								
Monitor Cable	Optional: Micro-HDMI to VGA monitor cable									Mil-Spec test	MIL-STD-810G military certification								
Light sensor	Ambient Light Sensor									Environment	EPEAT™ Gold; ENERGY STAR® 6.1; GREENGUARD®; RoHS-compliant								
G-sensor/ eCompass	3D accelerometer and 3D magnetometer																		
Gyroscope	3D compass, 3D inclinometer																		
Gyroscope	3D gyrometer																		
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)																		
Tablet Weight	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															

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



