

ThinkCentre X1 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® 6th Generation Intel Core™ i3 / i5 / i7 Processor	Security features	<ul style="list-style-type: none"> Security slot (in rear for attachment of optional Kensington® MicroSaver® cable; Kensington lock also locks chassis) Smart USB protection, allows keyboard/mouse only, blocks all storage devices Power-on, admin, hard disk password Boot sequence control Boot without keyboard and mouse Individual USB port disablement Optional chassis intrusion switch 																																			
	<table border="1"> <thead> <tr> <th>Processor</th> <th>Cores / Threads</th> <th>Frequency Base/Max(GHz)</th> <th>Cache</th> <th>Memory Types</th> <th>Integrated Graphics</th> <th>Intel vPro</th> </tr> </thead> <tbody> <tr> <td>Core i3-6100U</td> <td>2 / 4</td> <td>2.3 G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 520</td> <td>No</td> </tr> <tr> <td>Core i5-6200U</td> <td>2 / 4</td> <td>2.3 G / 2.8 G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 520</td> <td>No</td> </tr> <tr> <td>Core i5-6300U</td> <td>2 / 4</td> <td>2.4 G / 3.0 G</td> <td>3 MB</td> <td>DDR4-2133</td> <td>HD 520</td> <td>vPro</td> </tr> <tr> <td>Core i7-6600U</td> <td>2 / 4</td> <td>2.6 G / 3.4 G</td> <td>4 MB</td> <td>DDR4-2133</td> <td>HD 520</td> <td>vPro</td> </tr> </tbody> </table> <p>Intel Architecture (IA) SoC that integrates Intel processor core, graphics, memory controller, and I/O interfaces into a single system-on-chip solution</p>	Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics	Intel vPro	Core i3-6100U	2 / 4	2.3 G	3 MB	DDR4-2133	HD 520	No	Core i5-6200U	2 / 4	2.3 G / 2.8 G	3 MB	DDR4-2133	HD 520	No	Core i5-6300U	2 / 4	2.4 G / 3.0 G	3 MB	DDR4-2133	HD 520	vPro	Core i7-6600U	2 / 4	2.6 G / 3.4 G	4 MB	DDR4-2133	HD 520	vPro	Keyboard	Some: Lenovo Slim USB Keyboard (USB connector), black Some: Ultralim Plus Wireless Keyboard (2.4GHz via USB receiver), black
Processor	Cores / Threads	Frequency Base/Max(GHz)	Cache	Memory Types	Integrated Graphics	Intel vPro																																
Core i3-6100U	2 / 4	2.3 G	3 MB	DDR4-2133	HD 520	No																																
Core i5-6200U	2 / 4	2.3 G / 2.8 G	3 MB	DDR4-2133	HD 520	No																																
Core i5-6300U	2 / 4	2.4 G / 3.0 G	3 MB	DDR4-2133	HD 520	vPro																																
Core i7-6600U	2 / 4	2.6 G / 3.4 G	4 MB	DDR4-2133	HD 520	vPro																																
Memory	16GB max, DDR4 2133, one 260-pin SO-DIMM socket	Mouse	Some: Enhanced Optical USB Mouse, black, Lenovo logo Some: Ultralim Plus Wireless Mouse (2.4GHz via USB receiver), black																																			
Disk	Some: SATA 6.0Gb/s, 2.5" Wide, 5400 rpm or 7200 rpm Some: Solid State Hybrid Drive (SSHD) / with 8GB MLC NAND flash memory, SATA 6.0Gb/s, 2.5" Wide, 5400 rpm Some: Solid State Drive (SSD) / SATA 6.0Gb/s, 2.5" Wide	Mechanical	<ul style="list-style-type: none"> Business black color, Aluminum Alloy Toolless back cover and memory removal Optional VESA mount kit (100mm) <table border="1"> <thead> <tr> <th></th> <th>Dimensions (WxDxH)</th> <th>Max weight (lb / kg)</th> <th>Adjustments</th> </tr> </thead> <tbody> <tr> <td>Without stand:</td> <td>22.4 X 1.3 X 14.2 (inch); 570 X 33 X 360 (mm)</td> <td>8.8 / 4</td> <td>N/A</td> </tr> <tr> <td>With Orchid tilt stand:</td> <td>22.4 X 9.4 X 17.8 (inch); 570 X 240 X 451 (mm)</td> <td>11.0 / 5</td> <td>Tilt: 45° back, -5° forward</td> </tr> </tbody> </table>		Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments	Without stand:	22.4 X 1.3 X 14.2 (inch); 570 X 33 X 360 (mm)	8.8 / 4	N/A	With Orchid tilt stand:	22.4 X 9.4 X 17.8 (inch); 570 X 240 X 451 (mm)	11.0 / 5	Tilt: 45° back, -5° forward																							
	Dimensions (WxDxH)	Max weight (lb / kg)	Adjustments																																			
Without stand:	22.4 X 1.3 X 14.2 (inch); 570 X 33 X 360 (mm)	8.8 / 4	N/A																																			
With Orchid tilt stand:	22.4 X 9.4 X 17.8 (inch); 570 X 240 X 451 (mm)	11.0 / 5	Tilt: 45° back, -5° forward																																			
Optical Media reader	None Optional 9-in-1 media card reader	Power supply	90 watts adapter, autosensing, 88% PSU																																			
Graphics	Intel HD Graphics 520 in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™; Max resolution: 4096x2304 (DP)@60Hz	Limited warranty ³	Some: 1-year or 3-year, limited onsite service Some: 3-years, limited onsite service, OID (Onsite International Delivery) / For <i>Lenovo service upgrade options, please go to S-TC sheet</i>																																			
DP Dongle Display	Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle 23.8" (604.5mm) Full HD 1080p (1920x1080) TFT color , IPS panel, wide viewing angle (+/- 89°), LED backlight, 250 nits, 16:9 aspect ratio, 1000:1 contrast ratio, anti-glare, work as standalone monitor via DisplayPort (DP in / out combo)	Preload	Preloaded operating system Some: Windows® 7 Professional 32/64 preinstalled through downgrade rights in Windows 10 Pro 64-bit Some: Windows 7 Professional 64 Some: Windows 10 Pro 64-bit Some: Windows 10 Home 64-bit Preloaded applications (only some listed) <ul style="list-style-type: none"> Desktop Power Manager Lenovo Solution Center Lenovo REACHit Lenovo SHAREit Lenovo Bluetooth Lock (for models with Wi-Fi/BT card) McAfee® LiveSafe™ (30-day trial) Microsoft Office preloaded; purchase a product key to activate Lenovo ThinkVantage Tools <ul style="list-style-type: none"> Only for Window 10 Lenovo Companion Only for Window 7 Rescue and Recovery Password Manager ThinkVantage System Update Lenovo Message Center Plus Adobe® Reader® 																																			
Light sensor	None	Environment	EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant																																			
Multi-touch	None	MIL-SPEC test	MIL-STD-810G military certification (Low Pressure [Altitude], High Temperature, Low Temperature, Temperature Shock, Humidity, Sand and Dust, Vibration, Shock)																																			
Camera	2.0-megapixel camera, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off, Skype for Business certified	Accessories	For compatible accessories, please go to TC-AQP sheet																																			
Controls	Microphone mute, DP in / out switch, and power button																																					
Chipset	Intel System-on-Chip (SoC) platform																																					
Rear ports	Three USB 3.0, ethernet (RJ-45), DisplayPort in/out combo port,																																					
Side ports	Two USB 3.0 (one is Always On and fast charge), optional card reader, one headphone / microphone combo jack (3.5mm)																																					
M.2 card slot	One M.2 Card slot (for WLAN)																																					
Audio support	High Definition (HD) Audio, Realtek ALC233 / two internal speakers (5W x 2), Dolby® Audio™ certified, Skype for Business certified																																					
WLAN ¹³	Some: 11ac wireless, M.2 Card, Qualcomm Atheros QCA6174 (dual band), Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, 2x2 Some: 11ac wireless, M.2 Card, Intel Dual Band Wireless-AC 8260, Wi-Fi + Bluetooth 4.1 combo adapter, Intel vPro technology support, 2x2																																					
Bluetooth™ Ethernet	Some: Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter Gigabit ethernet, Intel Ethernet Connection I219-LM (Jacksonville), Wake on LAN®																																					
Manageability	Intel Active Management Technology 11.0 (Intel AMT 11.0) on some models; Intel vPro technology on some models (require choosing a vPro-support Wi-Fi adapter to enable vPro function through wireless connection)																																					
Security chip	Trusted Platform Module (TPM 1.2-compliant)																																					

See footnotes for more detailed information

© Lenovo
(X1-Spec) July 2016