ThinkCentre X1 Platform Specifications

Product Specifications Reference (PSREF)

Processor	Intel® 6th Generation Intel Core™ i3 / i5 / i7 Processor

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

Intel Architecture (IA) SoC that integrates Intel processor core, graphics, memory controller, and I/O interfaces into a single system-on-chip solution

Memory	16GB max, DDR4 2133, one 260-pin SO-DIMM socket
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
Optical	None
Media reader	Optional 9-in-1 media card reader
Graphics	**Intel HD Graphics 520** in processor, uses main memory, DirectX® 12, external monitor support via DisplayPort™; *Max resolution:* 4096x2304 (DP)@60Hz
DP Dongle	Optional DP to VGA, DP to DVI-D (single link), or DP to HDMI 1.4 dongle
Display	**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)
Light sensor	None
Multi-touch	None
Camera	2.0-megapixel camera, fixed focus, supports 1080p, with dual array digital microphone, LED indicator, physical switch on/off, Skype for Business certified
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™	*Some:* Bluetooth 4.0 or 4.1 wireless, integrated in Wi-Fi + Bluetooth combo adapter
Ethernet	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)

Security features	● 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
Keyboard **Mouse**	*Some:* Lenovo Slim USB Keyboard (USB connector), black *Some:* Ultraslim Plus Wireless Keyboard (2.4GHz via USB receiver), black *Some:* Enhanced Optical USB Mouse, black, Lenovo logo *Some:* Ultraslim Plus Wireless Mouse (2.4GHz via USB receiver), black
Mechanical	● Business black color, Aluminum Alloy ● Toolless back cover and memory removal ● Optional VESA mount kit (100mm)

	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

Power supply	90 watts adapter, autosensing, 88% PSU
Limited warranty[3]	*Some:* **1-year** or **3-year**, **limited onsite service** *Some:* **3-years**, **limited onsite service, OID** (Onsite International Delivery) / *For Lenovo service upgrade options, please go to S-TC sheet*

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)** ● 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 - Only for Window 10 ● Lenovo Companion - Only for Window 7 ● Rescue and Recovery ● Password Manager ● ThinkVantage System Update ● Lenovo Message Center Plus ● Adobe® Reader®

Environment	EPEAT™ Gold rating; ENERGY STAR® 6.1; TCO Certified Edge; TUV Green Mark; ULE Gold; ErP Lot 3; GREENGUARD® certified; RoHS-compliant
Accessories	For compatible accessories, please go to TC-AQP sheet

See footnotes for more detailed information

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