ThinkPad X1 Tablet Platform Specifications

Processor Formation Form	Processor	6th Generation Intel® Core™ M Processor	Ports	One standard USB 3.0, one USB Type-C, one Mini DisplayPort,
Supports 1080p video out via Mini DisplayPort connector Chipset Memory Memory Some: 4GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard Some: 8GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard Some: 16GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard Some: 16GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard Some: 16GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard Some: 16GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard Ali: no sockets, dual-channel capable Display 12.0° (304.8mm) FHD- (2160x1440), glare, LED backlight, IPS, 360 nils, 32 aspect rato, 8001 contrast ratio multi-louch Pen		Processor Number # of Cores # of Threads Clock Speed Burst Frequency Cache Memory Types Processor Graphics vPro m3-6Y30 2 4 0.90 GHz 2.20 GHz 4MB Intel HD No m5-6Y54 2 4 1.10 GHz 2.70 GHz 4MB LPDDR3-1866 Intel HD No m5-6Y57 2 4 1.20 GHz 3.10 GHz 4MB LPDDR3-1866 515 Yes	Control buttons WiGig dock	headphone/microphone combo jack, one Pogo keyboard connector, one cartrige connector for optional modules, one nano-SIM slot Power button, volume control button, reset switch Optional: WiGig dock, mutually exclusive with IR camera mDP-HDMI: Lenovo Mini DisplayPort to HDMI Monitor Cable mDP-VGA: Lenovo Mini DisplayPort to VGA Monitor Cable USB-RJ45: USB 3.0 to RJ45 adapter
Cripset Infet SOL (System of LnR) patients of LSD (System of LnR) patients of Some: 448F / 1868MHz LPDDR3, mobile DDR / soldered to systemboard Some: 448F / 1868MHz LPDDR3, mobile DDR / soldered to systemboard Some: 1618F / 1868MHz LPDDR3, mobile DDR / soldered to systemboard Some: 1618F / 1868MHz LPDDR3, mobile DDR / soldered to systemboard Alf: no sockets, dual-channel capable on systemboard Alf: no systemboard Alf: no sockets, dual-channel capable on systemboard Alf: no systemboa	Graphics	supports 1080p video out via Mini DisplayPort connector	Comerc	1 1 1
Display 12.0" (304.8mm) PHD+ (2160x1440), glare, LED backlight, IPS, anti-figerprint display with Corning" Gonila", Glass, WideView (170" viewing), 360 nits, 3:2 aspect ratio, 800:1 contrast ratio Multi-touch Pen Optional: ThinkPad Pen Pro, active pen for multi-fouch display Opening angle up to 90 degrees Storage Some: M.2 SSD / SATA 6.0Gb/s Some: M.2 SSD / SATA 6.0Gb/s Some: M.2 SSD / PSC NVMe, PCI6 3.0 x 4, 32Gb/s None Optical None Optical None One of the following, configurable by mode! (WirGig is mulually exclusive with IR camera): - 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2 (M.A.2), WirGig, M.2 Card Bluetooth** WWAN One of the following, configurable by mode! Wireless WAN, Sierra Wireless EM7455, Qualcomm* 4G LTE-Advanced/IDC-HSPA-H/SPA-H/HSPA/H/SPA		Some: 4GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard Some: 8GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard Some: 16GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard	Optional Cameras Video capture	Rear camera: 8.0-megapixel, auto focus, flash LED 3D camera: RealSense R200 3D camera on 3D Imaging module IR camera: infra-red (IR) camera, mutually exclusive WiGig and NFC 1080p video capture
Multi-louch Gapacitive touch panel, supports ten-finger gesture Optional: ThinkPad Pen Pro, active pen for multi-louch display Opening angle up to 90 degrees Storage Some: M.2 SSD / SATA 6.0Gb/s Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Optical None Storage extension One microSD card slot, supports up to 64GB Ethernet None WLAN One of the following, configurable by model: (WiGig is multually exclusive with IR camera): • 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card • WiGig™+11AC+BT, Intel Th-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card • WiGig™+11AC-BT, Intel Th-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card • WiGig™+11AC-BT, Intel Th-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card • Wireless WAN, PLAWEM Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+HSPAH/HSPAH/UMTS/GNSS, M.2 card • Wireless WAN, HUAWEM ME969S, • Wireless WAN, HUAWEM ME969S, HUAWEL 4G LTE-Advanced/DC-HSPA+HSPAH/HSPAH/UMTS/GNSS, M.2 card (WE only) SIM card Nano-SIM, optional Lenovo Connect (WE) SIM card Dimensions Weight Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet only: 11.48° x 8.25° x 0.34°; 291.5mm x 209.5mm x 8.75mm Tablet heyboard: from 2.15 b, 0.98kg (7679±210g); 200.5mm x 8.75mm Tablet heyboard: from 2.15 b, 0.98kg (7679	Display	12.0" (304.8mm) FHD+ (2160x1440), glare, LED backlight, IPS,		three microphones, combo audio/microphone jack
Kick stand Opening angle up to 90 degrees Storage Some: M. 2 SSD / SATA 6 of 0b/s Some: M. 2 SSD / PCle NVMe, PCle 3.0 x 4, 32Gb/s Optical None Storage extension One microSD card slot, supports up to 64GB Ethernet None WILAN One of the following, configurable by model (WiGig is mutually exclusive with IR camera): • 11ac+BT, Intel Dual Band Wireless-AC 18260, 2x2 ML AN, WiGig, M. 2 Card • WiGign*+11aC+BT, Intel Ti-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M. 2 Card Bluetooth™ Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter WWAN One of the following, configurable by model: • Wireless WAN, Sierra Wireless EM7455, Qualcomm* 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card • Wireless WAN, WIREL HESPOSS HUAWEI 4G LTE-WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only) SIM card Nano-Sill, optional Lenvov Connect (WE) SIM card Dimensions Weight Tablet + Reyboard: Tom 2.35 ib, 1.07kg (767g+300g); Tablet + Presenter: Tablet + Productivity: Tom 2.35 ib, 1.07kg (767g+300g); Tablet + Productivity: Trablet + Reyboard: Tablet + Reyboard: Tom 2.35 ib, 1.07kg (767g+300g); Tablet + Productivity: Tom 2.35 ib, 1.07kg (767g+310g); Tablet + Productivity: Tom 2.35 ib, 1.07		60 nits, 3:2 aspect ratio, 800:1 contrast ratio apacitive touch panel, supports ten-finger gesture		buttonless Mylar surface touchpad, multi-touch
Storage Some: M.2 SSD / SAIA 6.0Gb/s Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIe NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / SAIA 6.0Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIE 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIe 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIE 3.0 x 4, 32Gb/s Some: M.2 SSD / PCIE NVMe, PCIE 3.0 x 4, 32Gb/s Some: M.2 SSD / SVMe, PCIE NVMe, PCIE 3.0 x 4, 32Gb/s Some: M.2 SSD / SVMe, PCIE NVMe, PCIE 3.0 x 4, 32Gb/s Some: M.2 SSD / SVMe, PCIE NVME, PC				Kensington lock slot
Storage extension One microSD card slot, supports up to 64GB Ethernet None WLAN One of the following, configurable by model (WiGig is mutually exclusive with IR camera): * 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card * WiGigi M-11AC+BT, Intel The Band Wireless-AC 8260, 2x2, M.2 Card * WiGigi M-11AC+BT, Intel The Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card Bluetooth IM Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter * Wireless WAN, Sierra Wireless EM7455, Qualcomm* 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA-/HSP	Ü	Some: M.2 SSD / PCle NVMe, PCle 3.0 x 4, 32Gb/s	vPro <i>(optional)</i> Fingerprint reader	Intel vPro Technology Optional: Touch style Fingerprint reader
WLAN One of the following, configurable by model (WiGig is mutually exclusive with IR camera): 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card WiGig™+11AC+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card Bluetooth wireless, integrated in Wi-Fi+ Bluetooth combo adapter WWAN One of the following, configurable by model: Wireless WAN, Sierra Wireless EM7455, Qualcomm® 46 LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE-MCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only) SIM card Nano-SIM, optional Lenovo Connect (WE) SIM card Dimensions Weight Tablet nly: Tablet+keyboard: Tablet+keyboard: Tablet+Productivity: Tablet+Prosenter: Tablet+Presenter: Tablet+Productivity: Tablet+Presenter: Tablet-NB Imagaing: The case color Case color Case color Case material Smart Card Read Optional: NFC-compatible smart card reader via NFC Media reader One microSD card slot (micro SD/SDXC/SDHC), supports up to 64GB Magesium + PPS Hybrid injection AC adapter 45-watt USB Type-C adapter	Storage extension	•		
* 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card * WiGig™+11AC+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card Bluetooth™ Bluetooth wireless, integrated in Wi-Fi+ Bluetooth combo adapter WWAN **One of the following, configurable by model: **Wireless WAN, Sierra Wireless EM7455, Qualcomm** 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card * Wireless WAN, HJAWEI ME906S, HUAWEI 4G LTE-WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only) SIM card **Nano-SIM, optional Lenovo Connect (WE) SIM card Dimensions Weight **Tablet only: 11.48" x 8.25" x 0.34"; 291.5mm x 209.5mm x 8.75mm Tablet only: from 1.69 lb, 767g; Tablet+keyboard: from 2.95 lb, 1.07kg (767g+300g); Tablet+keyboard: from 2.95 lb, 1.07kg (767g+300g); Tablet+Presenter: from 2.15 lb, 0.98kg (767g+210g); Tablet+Presenter: from 2.15 lb, 0.98kg (767g+210g); Tablet+Presenter: from 2.15 lb, 0.98kg (767g+168g) **Case color Case material **Smart Card Read **Optional: NFC-compatible smart card reader via NFC** **Microsoft** Optional: NFC-compatible smart card reader via NFC** **Microsoft** Mil-STD-810G military certification **Jear - depot repair service/ service upgrades available 3-year - depot repair service/ service upgrades available **Mil-SPEC test** **January Mil-SPEC test** **January Mil-SPEC test** **January Mil-SPEC test** **January Mil-SPEC test** **Mil-SPEC test** **January Mil-SPEC test** **Mil-SPEC test** **January Mil-SPEC test** **January Mil-SPEC test** **January Mil-SPEC test** **January Mil-SPEC test** **Mil-SPEC test** **January Mil-SPEC test** **Mil-SPEC test** **Mil-SPEC test** **January Mil-SPEC test** **January Mil-SPEC test** **Mil-SPEC test** **Mil-SPEC test** **Mil-SPEC test** **January Mil-SPEC test** **Mil-SPEC test** **January Mil-SPEC test** **Mil-SPEC test** **Mil-SPEC test** **January Mil-SPEC test** **Mil-SPEC test** **January Mi				up to 10 hr (local video playback)
House of the following configurable by mode: WWAN One of the following, configurable by mode: Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSP	WLAN		<u> </u>	, , , , , , , , , , , , , , , , , , , ,
WWAN One of the following, configurable by model: Wireless WAN, Sierra Wireless EM7455, Qualcomm ⁹ 4G LTE-Advanced/DC-HSPA+/HSPA+	Bluetooth™	 WiGig™+11AC+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card 	G-sensor 3D	3D accelerometer
Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card • Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only) SIM card Nano-SIM, optional Lenovo Connect (WE) SIM card Dimensions Tablet only: 11.48" x 8.25" x 0.34"; 291.5mm x 209.5mm x 8.75mm Tablet only: from 1.69 lb, 767g; Tablet+keyboard: from 2.35 lb, 1.07kg (767g+300g); Tablet+Productivity: from 2.89 lb, 1.31kg (767g+300g+245g); Tablet+Productivity: from 2.93 lb, 1.01kg (767g+245g); Tablet+Presenter: from 2.15 lb, 0.98kg (767g+210g); Tablet+Presenter: from 2.06 lb, 0.94kg (767g+168g) Case color Case material Smart Card Read Optional: NFC-compatible smart card reader via NFC One microSD card slot (micro SD/SDXC/SDHC), supports up to 64GB Modules base: Dummy base cartridge Pro: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Presenter module, Pico projector, HDMI and 10Whr battery for presenter 3D: 3D Imaging module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Productivity module, USB3.0 x 1, Holl, One 14	WWAN		Gyroscope GPS	
Dimensions Tablet only: 11.48" x 8.25" x 0.34"; 291.5mm x 209.5mm x 8.75mm Weight Tablet only: from 1.69 lb, 767g; Tablet+keyboard: from 2.35 lb, 1.07kg (767g+300g); Tablet+keyboard+Productivity: from 2.89 lb, 1.31kg (767g+300g+245g); Tablet+Presenter: from 2.15 lb, 0.98kg (767g+210g); Tablet+Presenter: from 2.06 lb, 0.94kg (767g+168g) Case color Black Case material Magnesium + PPS Hybrid injection Smart Card Read Optional: NFC-compatible smart card reader via NFC Media reader One microSD card slot (micro SD/SDXC/SDHC), supports up to 64GB		Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card • Wireless WAN, HUAWEI ME906S,	Modules	base: Dummy base cartridge Pro: Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr) Pico: Presenter module, Pico projector, HDMI and 10Whr battery for presenter
Weight Tablet only: Tablet heyboard: Tablet+keyboard-Productivity: from 2.89 lb, 1.31kg (767g+300g); Tablet+Productivity: Tablet+Presenter: Tablet+Presenter: Tablet+Presenter: Tablet+ApD Imgaging: Tablet-Box Magnesium + PPS Hybrid injection Smart Card Read Media reader Media reader Weight Tablet only: From 1.69 lb, 767g; From 1.69 lb, 767g; From 2.35 lb, 1.07kg (767g+300g); From 2.23 lb, 1.31kg (767g+300g+245g); From 2.23 lb, 1.01kg (767g+245g); From 2.23 lb, 1.01kg (767g+245g); From 2.15 lb, 0.98kg (767g+210g); From 2.06 lb, 0.94kg (767g+168g) Lenovo Solution Center Lenovo Companion Flenovo Settings Flen	SIM card	· , , , , , , , , , , , , , , , , , , ,		
Case material Magnesium + PPS Hybrid injection Smart Card Read Optional: NFC-compatible smart card reader via NFC Media reader One microSD card slot (micro SD/SDXC/SDHC), supports up to 64GB Limited warranty 1-year - depot repair service/ service upgrades available 3-year - depot repair service/ service upgrades available Mil-Spec test Mil-STD-810G military certification	Weight	Tablet only: from 1.69 lb, 767g; from 2.35 lb, 1.07kg (767g+300g); Tablet+keyboard+Productivity: from 2.89 lb, 1.31kg (767g+300g+245g); Tablet+Productivity: from 2.23 lb, 1.01kg (767g+245g); Tablet+Presenter: from 2.15 lb, 0.98kg (767g+210g); Tablet+3D Imgaging: from 2.06 lb, 0.94kg (767g+168g)	Preload	Some: Windows 10 Home 64 • Lenovo Solution Center • Lenovo Companion • Lenovo Settings • Microsoft® Office preloaded; purchase a product key to activate
Media reader One microSD card slot (micro SD/SDXC/SDHC), supports up to 64GB	Case material	Magnesium + PPS Hybrid injection	Limited warranty	1-year - depot repair service/ service upgrades available 3-year - depot repair service/ service upgrades available
			Mil-Spec test	MIL-STD-810G military certification
, , , =			Environment	EPEAT™ Gold, RoHS, GREENGUARD, Low Halogen