

# ThinkPad X1 Tablet Platform Specifications

Product Specifications Reference (PSREF)

|                   |                                                                                                                                                                                                                                                                                                                      |            |              |             |                 |       |              |                       |      |  |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|--------------|-------------|-----------------|-------|--------------|-----------------------|------|--|
| Processor         | 6th Generation Intel® Core™ M Processor                                                                                                                                                                                                                                                                              |            |              |             |                 |       |              |                       |      |  |
|                   | 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   | LPDDR3-1866  | Intel HD Graphics 515 | No   |  |
|                   | m5-6Y54                                                                                                                                                                                                                                                                                                              | 2          | 4            | 1.10 GHz    | 2.70 GHz        | 4MB   |              |                       | No   |  |
|                   | m5-6Y57                                                                                                                                                                                                                                                                                                              | 2          | 4            | 1.10 GHz    | 2.80 GHz        | 4MB   |              |                       | Yes  |  |
| m7-6Y75           | 2                                                                                                                                                                                                                                                                                                                    | 4          | 1.20 GHz     | 3.10 GHz    | 4MB             | Yes   |              |                       |      |  |
| Graphics          | Intel HD Graphics 515 in processor, supports 1080p video out via Mini DisplayPort connector                                                                                                                                                                                                                          |            |              |             |                 |       |              |                       |      |  |
| Chipset           | Intel SoC (System on Chip) platform                                                                                                                                                                                                                                                                                  |            |              |             |                 |       |              |                       |      |  |
| Memory            | <i>Some:</i> 4GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard                                                                                                                                                                                                                                              |            |              |             |                 |       |              |                       |      |  |
|                   | <i>Some:</i> 8GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard                                                                                                                                                                                                                                              |            |              |             |                 |       |              |                       |      |  |
|                   | <i>Some:</i> 16GB / 1866MHz LPDDR3, mobile DDR / soldered to systemboard                                                                                                                                                                                                                                             |            |              |             |                 |       |              |                       |      |  |
|                   | <i>All:</i> no sockets, dual-channel capable                                                                                                                                                                                                                                                                         |            |              |             |                 |       |              |                       |      |  |
| Display           | 12.0" (304.8mm) FHD+ (2160x1440), glare, LED backlight, IPS, anti-fingerprint display with Corning® Gorilla® Glass, WideView (170° viewing), 360 nits, 3:2 aspect ratio, 800:1 contrast ratio                                                                                                                        |            |              |             |                 |       |              |                       |      |  |
| Multi-touch       | Capacitive touch panel, supports ten-finger gesture                                                                                                                                                                                                                                                                  |            |              |             |                 |       |              |                       |      |  |
| Pen               | <i>Optional:</i> ThinkPad Pen Pro, active pen for multi-touch display                                                                                                                                                                                                                                                |            |              |             |                 |       |              |                       |      |  |
| Kick stand        | Opening angle up to 90 degrees                                                                                                                                                                                                                                                                                       |            |              |             |                 |       |              |                       |      |  |
| Storage           | <i>Some:</i> M.2 SSD / SATA 6.0Gb/s<br><i>Some:</i> 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              | <i>One of the following, configurable by model (WiGig is mutually exclusive with IR camera):</i> <ul style="list-style-type: none"><li>• 11ac+BT, Intel Dual Band Wireless-AC 8260, 2x2, M.2 Card</li><li>• WiGig™+11AC+BT, Intel Tri-Band Wireless-AC 18260, 2x2 WLAN, WiGig, M.2 Card</li></ul>                    |            |              |             |                 |       |              |                       |      |  |
| Bluetooth™        | Bluetooth wireless, integrated in Wi-Fi + Bluetooth combo adapter                                                                                                                                                                                                                                                    |            |              |             |                 |       |              |                       |      |  |
| WWAN (optional)   | <i>One of the following, configurable by model:</i> <ul style="list-style-type: none"><li>• Wireless WAN, Sierra Wireless EM7455, Qualcomm® 4G LTE-Advanced/DC-HSPA+/HSPA+/HSPA/UMTS/GNSS, M.2 card</li><li>• Wireless WAN, HUAWEI ME906S, HUAWEI 4G LTE/WCDMA/HSPA/GSM/GPRS/EDGE/GNSS, M.2 card (WE only)</li></ul> |            |              |             |                 |       |              |                       |      |  |
| SIM card          | Nano-SIM, optional Lenovo Connect (WE) SIM card                                                                                                                                                                                                                                                                      |            |              |             |                 |       |              |                       |      |  |
| Dimensions        | <i>Tablet only:</i> 11.48" x 8.25" x 0.34"; 291.5mm x 209.5mm x 8.75mm                                                                                                                                                                                                                                               |            |              |             |                 |       |              |                       |      |  |
| Weight            | <i>Tablet only:</i> from 1.69 lb, 767g;                                                                                                                                                                                                                                                                              |            |              |             |                 |       |              |                       |      |  |
|                   | <i>Tablet+keyboard:</i> from 2.35 lb, 1.07kg (767g+300g);                                                                                                                                                                                                                                                            |            |              |             |                 |       |              |                       |      |  |
|                   | <i>Tablet+keyboard+Productivity:</i> from 2.89 lb, 1.31kg (767g+300g+245g);                                                                                                                                                                                                                                          |            |              |             |                 |       |              |                       |      |  |
|                   | <i>Tablet+Productivity:</i> from 2.23 lb, 1.01kg (767g+245g);                                                                                                                                                                                                                                                        |            |              |             |                 |       |              |                       |      |  |
|                   | <i>Tablet+Presenter:</i> from 2.15 lb, 0.98kg (767g+210g);                                                                                                                                                                                                                                                           |            |              |             |                 |       |              |                       |      |  |
|                   | <i>Tablet+3D Imaging:</i> from 2.06 lb, 0.94kg (767g+168g)                                                                                                                                                                                                                                                           |            |              |             |                 |       |              |                       |      |  |
| Case color        | Black                                                                                                                                                                                                                                                                                                                |            |              |             |                 |       |              |                       |      |  |
| Case material     | Magnesium + PPS Hybrid injection                                                                                                                                                                                                                                                                                     |            |              |             |                 |       |              |                       |      |  |
| Smart Card Read   | <i>Optional:</i> NFC-compatible smart card reader via NFC                                                                                                                                                                                                                                                            |            |              |             |                 |       |              |                       |      |  |
| Media reader      | One microSD card slot (micro SD/SDXC/SDHC), supports up to 64GB                                                                                                                                                                                                                                                      |            |              |             |                 |       |              |                       |      |  |

|                           |                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ports                     | One standard USB 3.0, one USB Type-C, one Mini DisplayPort, headphone/microphone combo jack, one Pogo keyboard connector, one cartrige connector for optional modules, one nano-SIM slot                                                                                                                                                                          |
| Control buttons           | Power button, volume control button, reset switch                                                                                                                                                                                                                                                                                                                 |
| WiGig dock                | <i>Optional:</i> WiGig dock, mutually exclusive with IR camera                                                                                                                                                                                                                                                                                                    |
| Monitor Cable             | <i>mDP-HDMI:</i> Lenovo Mini DisplayPort to HDMI Monitor Cable                                                                                                                                                                                                                                                                                                    |
| <i>(optional)</i>         | <i>mDP-VGA:</i> Lenovo Mini DisplayPort to VGA Monitor Cable                                                                                                                                                                                                                                                                                                      |
| Adapter <i>(optional)</i> | <i>USB-RJ45:</i> USB 3.0 to RJ45 adapter<br><i>USB-C-VGA:</i> USB-C to VGA plus power adapter<br><i>USB-C-HDMI:</i> USB-C to HDMI plus power adapter                                                                                                                                                                                                              |
| Camera                    | <i>Front camera:</i> 2.0-megapixel, fixed focus<br><i>Rear camera:</i> 8.0-megapixel, auto focus, flash LED                                                                                                                                                                                                                                                       |
| Optional Cameras          | <i>IR camera:</i> infra-red (IR) camera, mutually exclusive WiGig and NFC                                                                                                                                                                                                                                                                                         |
| Video capture             | 1080p video capture                                                                                                                                                                                                                                                                                                                                               |
| Audio support             | Realtek® ALC3268 codec / stereo speakers, 0.5 watt x 2 / three microphones, combo audio/microphone jack                                                                                                                                                                                                                                                           |
| Pogo Keyboard             | Magnetic attached thin keyboard, with TrackPoint® pointing device and buttonless Mylar surface touchpad, multi-touch                                                                                                                                                                                                                                              |
| Keyboard color            | Black, red, and silver                                                                                                                                                                                                                                                                                                                                            |
| Security                  | Kensington lock slot                                                                                                                                                                                                                                                                                                                                              |
| Security chip             | Discrete TPM 1.2 TCG Certified and Firmware TPM 2.0 integrated in chipset                                                                                                                                                                                                                                                                                         |
| vPro <i>(optional)</i>    | Intel vPro Technology                                                                                                                                                                                                                                                                                                                                             |
| Fingerprint reader        | <i>Optional:</i> Touch style Fingerprint reader                                                                                                                                                                                                                                                                                                                   |
| NFC                       | <i>Optional:</i> Near Field Communication, mutually exclusive IR camera                                                                                                                                                                                                                                                                                           |
| Module                    | <i>One of the following, configurable by model</i> <ul style="list-style-type: none"><li>• Dummy base cartridge</li><li>• Productivity module, USB3.0 x 1, HDMI, OneLink+, 5 hrs battery (24Whr)</li><li>• Presenter module, Pico projector, HDMI and 10Whr battery for presenter</li><li>• 3D imaging module, USB3.0 x 1, RealSense 3D camera and HDMI</li></ul> |
| Battery - type            | Lithium polymer, 37Whr                                                                                                                                                                                                                                                                                                                                            |
| Battery - life            | up to 10 hr (local video playback)                                                                                                                                                                                                                                                                                                                                |
| AC adapter                | 45-watt USB Type-C adapter                                                                                                                                                                                                                                                                                                                                        |
| Light sensor              | Ambient Light Sensor                                                                                                                                                                                                                                                                                                                                              |
| G-sensor                  | 3D accelerometer                                                                                                                                                                                                                                                                                                                                                  |
| Compass                   | 3D compass                                                                                                                                                                                                                                                                                                                                                        |
| Gyroscope                 | 3D gyrometer                                                                                                                                                                                                                                                                                                                                                      |
| GPS                       | GPS function is integrated into WWAN module                                                                                                                                                                                                                                                                                                                       |
| Preload                   | <i>Some:</i> Windows 10 Pro 64<br><i>Some:</i> Windows 10 Home 64 <ul style="list-style-type: none"><li>• Lenovo Solution Center</li><li>• Lenovo Companion</li><li>• Lenovo Settings</li><li>• Microsoft® Office preloaded; purchase a product key to activate</li></ul>                                                                                         |
| Limited warranty          | 1-year - depot repair service/ service upgrades available<br>3-year - depot repair service/ service upgrades available                                                                                                                                                                                                                                            |
| Mil-Spec test             | MIL-STD-810G military certification                                                                                                                                                                                                                                                                                                                               |
| Environment               | EPEAT™ Gold, RoHS, GREENGUARD, Low Halogen                                                                                                                                                                                                                                                                                                                        |

| Model              | 20GG002B++                           |
|--------------------|--------------------------------------|
| Product            | ThinkPad X1 Tablet                   |
| Region             | EMEA                                 |
| Machine Type       | 20GG                                 |
| TopSeller          | TopSeller                            |
| Processor          | Core m7-6Y75 (2C, 1.2 / 3.1GHz, 4MB) |
| vPro               | vPro                                 |
| Graphics           | Integrated Intel HD Graphics 515     |
| Memory             | 8GB Soldered                         |
| Display            | 12" FHD+ (2160x1440) IPS             |
| Multi-touch        | 10-point Multi-touch                 |
| Storage            | 256GB SSD M.2 SATA3 Opal2            |
| Optical            | None                                 |
| WLAN + Bluetooth   | Intel 8260 ac, 2x2 + BT4.1           |
| WWAN               | Sierra EM7455                        |
| SIM Card           | Lenovo Connect                       |
| Dock               | None                                 |
| Monitor Cable      | None                                 |
| Camera             | Front 2.0MP / Rear 8.0MP             |
| Keyboard Docking   | Black Pogo Keyboard                  |
| Pen                | ThinkPad Pen Pro                     |
| Fingerprint Reader | Fingerprint Reader                   |
| NFC                | NFC                                  |
| Module             | None                                 |
| Battery            | 2-cell (37Wh)                        |
| Power Adapter      | 45W                                  |
| Operating System   | Windows 10 Pro 64                    |
| Warranty           | 3-year, Depot                        |
| Global             | No                                   |
| Ann Date (mm/yy)   | 03/16                                |







