

State of Michigan Approved Tablet Comparison Guide

As of 10/19/2016

For the purpose of this document, we define a **true tablet** as a device which has a detachable keyboard that is not required for the device to function. (Please note: If you are looking for a more *ruggedized* device, please consult the **Rugged Device Standards** document.) All of these systems can function as a laptop/desktop replacement for any standard type of use. None of these systems have a built-in Ethernet port. For this reason we suggest purchasing a docking station and USB network adapter if your device is intended to be used as a laptop/desktop replacement.

NOTE: Numbers listed in this document (TXX) are ITRAC numbers.

How to decide which machine is best for you

The decision will be based primarily on personal preference, but these facts may help you decide on the device that is the best fit for you:

- If you are looking for an ultra-lightweight laptop, the X1 Yoga should be considered.
- If you are looking for a true tablet, the Surface Pro 4, the X1 Tablet, or the Latitude 12 should be considered.
- If you require a Mobile Broadband Card, the X1 Yoga or X1 Tablet should be considered.

Details on each model follow

Surface Pro 4 – This is a true tablet system: it is a touch screen device with no permanently attached keyboard. This unit comes with a docking station. (T47)

NOTE: The Surface Pro 4 should not be ordered unless your agency is certified for Windows 10.

Operating System

Windows 10 ENT 64-bit Edition ONLY

Exterior

- Dimensions: 11.5" x 7.9" x 0.3"
- Weight: 1.73 lbs.

Storage and RAM

- 256GB SSD version with 8GB RAM

Display

- Screen: 12.3" PixelSense™ Display
- Resolution: 2736 x 1824



- Aspect Ratio: 3:2
- Touch: 10-point multi-touch

CPU & Wireless

- Intel Core i5 Processor
- System memory: 8GB
- Wireless: Wi-Fi 802.11 n/ac
- Bluetooth 4.0

Battery Life

9 hours (per Manufacturer's Estimate)

Cameras, Video & Audio

- 5MP HD front-facing camera and 8MP HD autofocus rear-facing
- Stereo microphones
- Stereo speakers

Ports

- Full-size USB 3.0
- microSD card reader
- Headset jack
- Mini DisplayPort
- Cover port
- Surface Connect

Warranty

4 year Advanced Exchange warranty

Surface Pro - Recommended Accessories:

- T51 – Surface Pro 4 Power Supply – This is an extra power cable.
- T50 – Surface Pro 4 Type Cover – this is a keyboard **and** cover.
- T31 – Satechi 3-port Portable USB 3.0 Hub + Network adapter– This portable USB hub allows for multiple USB devices to be connected to the Surface Pro. This is important because the Surface Pro has only one USB port. In addition, this device has an Ethernet port which allows for a wired connection to a network.

Optional Accessories:

- T60 - ThinkPad UltraSlim USB DVD Burner

NOTE: 7/25/16 - Due to a Manufacturer's problem, the X1 is currently unavailable in iTRAC. This page will be updated when the X1 is once again obtainable.

X1 Tablet - This is a true tablet system: it is a touch screen device that can be used with or without the included adjustable ThinkPad® Thin Keyboard. This unit comes with the ThinkPad X1 Tablet Productivity Module*. (T56)



Operating System

- Windows 10 ENT 64-bit Edition
- Windows 8.1 ENT 64-bit Edition

Exterior

- Dimensions: 11.45" x 8.25" x 0.51"
- Weight: 2.4 lbs.

Storage and RAM

- 256GB SSD version with 8GB RAM

Display

- Screen: 12" Full HD+ 2K (2160 x 1440)
- 3:2
- Touch: 10-point multi-touch

CPU & Wireless

- Intel M7-6Y75
- System memory: 8GB
- Wireless: 2 x 2 MIMO 802.11ac
- Optional 4G LTE-A
- Qualcomm X7 LTE-A WWAN

Battery Life

Up to 10 hours (per Manufacturer's Estimate)

*The ThinkPad X1 Tablet Productivity module is a modular accessory for the X1 tablet. The module has 1 full-sized HDMI interface, a OneLink+ Port, a USB3.0 Type A, and a 2-cell battery that adds an additional 5 hours.

Cameras, Video & Audio

- 2MP 1080p with Flash
- Intel HD Integrated Graphics
- Dual Array microphone
- Stereo speakers with Dolby Surround Sound

Ports

- WiGig
- 1 x USB 3.0
- 1 x USB Type-C Power Delivery
- Mini DisplayPort™
- microSD™
- Audio
- Nano Sim

*With the Productivity Module you get the following, HDMI, OneLink + Port, and USB 3.0.

Warranty

4 yr Onsite + KYD (Keep Your Hard Drive)

X1 Tablet - Recommended Accessories:

- T31 – Satechi 3-port Portable USB 3.0 Hub + Network adapter – This portable USB hub allows for more USB devices to be connected to the X1 Tablet. In addition, this device has an Ethernet port which allows for a wired connection to a network.
- T54 - ThinkPad OneLink+ Dock (90 Watt) – Requires the X1 Tablet Productivity Module.
- T66 - Lenovo USB-C 45W AC Adapter

Optional Accessories:

- T60 - ThinkPad UltraSlim USB DVD Burner
- T61-Lenovo DisplayPort to Single-Link DVI-D Monitor Cable

X1 Yoga – The definition of versatility, this ultralight 2-in-1 adapts to your business with 4 flexible modes to work, present, create, and connect. (T53)

Operating System

- Windows 10 ENT 64-bit
- Windows 8.1 ENT 64-bit

Exterior

Dimensions: 13.11" x 9.01" x 0.66" • Weight: 2.8 lbs.

Storage and RAM

256GB SSD with 8GB RAM

Display

- Screen: 14" IPS



- Resolution: 1920 x 1080 (Full HD)
- Touch: 10 point Multi-touch

CPU & Wireless

- i7-6600U
- System memory: 8GB
- Wireless: Intel 802.11n/ac Dual Band Wireless
- Bluetooth® 4.1 Optional 4G LTE-A
- Qualcomm X7 LTE-A WWAN

Battery Life

Up to 11 hours (per Manufacturer's Estimate)

Cameras, Video & Audio

- 720p Camera
- Intel® HD Graphics 520
- Digital Array microphone
- Stereo speakers

Ports

- OneLink+
- HDMI
- Mini DisplayPort™
- 3 x USB 3.0
- microSD™

Warranty

4 yr Onsite + KYD (Keep Your Hard Drive)

X1 Yoga - Recommended Accessories:

- T54 - ThinkPad OneLink+ Dock (90 Watt)
- T55 - ThinkPad USB 3.0 Ethernet Adapter
- T65-ThinkPad 90W AC Adapter

Optional Accessories:

- T59 – ThinkPad Pen Pro for X1 Yoga
- T60 - ThinkPad UltraSlim USB DVD Burner
- T61-Lenovo DisplayPort to Single-Link DVI-D Monitor Cable

Latitude 12 7275 – 2-in-1 for getting down to business with laptop power and tablet flexibility. (T67)

Operating System

- Windows 10 ENT 64-bit
- Windows 8.1 ENT 64-bit

Exterior

- Dimensions: 11.45" x 7.59" x 0.32"
- Weight: 1.61 lbs.

Storage and RAM

- 256GB SSD with 8GB RAM

Display

- Screen: 12.5" Full HD
- Resolution: 1920 x 1080
- Touch: 10-point multi-touch

CPU & Wireless

- M5-6Y57
- System memory: 8GB
- Intel® Dual Band Wireless-AC 8260 802.11AC Wi-Fi + BT 4.1 LE Wireless Card (2x2) Low Power

Battery Life

- Up to 8 hours (per Manufacturer's Estimate)

Cameras, Video & Audio

- 5MP integrated front camera and 8MP integrated rear camera
- Intel® HD Graphics 515
- Stereo Speaker with MaxxAudio Pro

Ports

- 2 x USB 3.1 Type C (Thunderbolt)
- Headphone/Microphone combo jack
- microSD™

Warranty

4 yr Onsite + KYD (Keep Your Hard Drive)

Latitude 12 7275 – Recommended Accessories:

- L100 – USB-C dock.



- T58 - The compact Dell Adapter - USB-C to HDMI/VGA/Ethernet/USB 3.0 offers a plug-and-play solution for connecting your laptop or notebook to an external HDMI or VGA display and other essential devices. The adapter also features an Ethernet port, which means it can replace as many as three dongles to save you space on your desk and in your bag. Onboard USB 3.0 means you still have an open port to connect with USB peripherals.

Optional Accessories:

- T60 - ThinkPad UltraSlim USB DVD Burner

Comparison

	<u>X1 Tablet</u>	<u>X1 Yoga</u>	<u>Latitude 12</u>	<u>Surface Pro</u>
	T56	T53	T67	T47
Processor	m7	i7	m7	i5
Mobile Broadband	Yes	Yes	No	No
WLAN	Yes	Yes	Yes	Yes
Storage	256 SSD	256 SSD	256 SSD	256 SSD
Keyboard	Detachable	Attached	Detachable	Detachable
Front Cam	Yes	Yes	Yes	Yes
Rear Cam	Yes	No	No	Yes
Memory	8GB	8GB	8GB	8GB
Pen	Optional	Included	Optional	Optional
Warranty	4yr On-Site	4yr On-Site	4yr On-Site	4yr Adv Exchange
Screen	11.6"	14"	12.5"	12.3"
Weight (min)	1.8 lbs.	2.8 lbs.	3.52 lbs.	1.73 lbs.
USB Ports	2 x USB 3.0	2 x USB 3.0	2 x USB Type C	1 x USB 3.0
Display Ports	Mini DP	Mini DP/HDMI	N/A	Mini DP

Accessories

Accessory	X1 Tablet	X1 Yoga	Latitude 12	Surface Pro
Docking Station	T38	T54	L100	Included
Keyboard	Included	Attached	Included	Included
AC Adapter	T66 (45w)	T65 (90w)		T51 (65w)
Case	T39	T19	T19	N/A
Cover	T40	N/A	N/A	T50
Dell Touchscreen Monitor	T36	T36	T36	T36
Satechi USB Adapter	T31	T31	T31	T31
Dell Compact Adapter	T58	N/A	T58	N/A