OVERVIEW

1.	Power button	5.	Thunderbolt 4
2.	Volume button	6.	Nano-SIM card slot
3.	Kensington Security Slot	7.	USB-C 3.2 Gen 2
4.	Headphone / microphone combo jack (3.5mm)		

Notes:
- Pogo pin connector (8-point) not shown on the sample product above

PERFORMANCE

Processor

Processor Family

11th Generation Intel® Core™ i3 / i5 / i7 Processor

Processor

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
Core i3-1110G4	2	4	2.5GHz	3.9GHz	6MB	LPDDR4x-4266	Intel UHD Graphics
Core i5-1130G7	4	8	1.8GHz	4.0GHz	8MB	LPDDR4x-4266	Intel Iris® Xe Graphics
Core i5-1140G7	4	8	1.8GHz	4.2GHz	8MB	LPDDR4x-4266	Intel Iris Xe Graphics
Core i7-1160G7	4	8	2.1GHz	4.4GHz	12MB	LPDDR4x-4266	Intel Iris Xe Graphics
Core i7-1180G7	4	8	2.2GHz	4.6GHz	12MB	LPDDR4x-4266	Intel Iris Xe Graphics

Operating System

Operating System

- Windows® 10 Home 64
- Windows 10 Pro 64
- No operating system

Graphics

Graphics

Graphics	Type	Memory	Key Features
Intel UHD Graphics	Integrated	Shared	DirectX® 12
Intel Iris Xe Graphics	Integrated	Shared	DirectX 12

Monitor Support

Monitor Support

Supports up to 3 independent displays via native display and 2 external monitors; supports external monitors via USB-C (5120x3200@60Hz) or Thunderbolt™ (5120x3200@60Hz)

Chipset

Chipset

Intel SoC (System on Chip) platform

Memory

Memory Type[1]

LPDDR4x-4266

Notes:
1. 8GB or 16GB LPDDR4x-4266 soldered, dual-channel capable

Storage

Storage Support

One drive, up to 1TB M.2 2242 SSD

Storage Type

Disk Type	Interface	RPM	Security
M.2 2242 SSD	PCIe NVMe, PCIe 3.0 x4	-	-

Multi-Media

Speakers

Stereo speakers, Realtek® ALC3306-GRT codec, 1W x2, Dolby® Audio™

Microphone

Dual array microphone, 360° far-field for Cortana, near-field for Alexa

Camera

5.0-megapixel front user-facing Hybrid RGB/IR camera with webcam privacy shutter, fixed focus; 8.0-megapixel rear world-facing, auto focus

Sensor

Vibrator

No vibrator

Sensors

- Gyroscope sensor
- Hall sensor
- Inclinometer sensor
- Accelerometer (G) sensor
- Proximity sensor (WWAN model)

Battery

Battery

Integrated Li-Polymer 42Wh battery, supports Rapid Charge (charge up to 80% in 1hr) with 65W AC adapter

Max Battery Life[1]

MobileMark® 2018: 10.36 hr
JEITA 2.0: 12.42 hr

Charging Time

In operation: 2.0 hr
Off ~80%: 0.83 hr
Off ~100%: 2.0 hr

Notes:

1. All battery life claims are approximate maximum and based on results using the MobileMark 2014, MobileMark 2018, and/or JEITA 2.0 battery-life benchmark tests. Actual battery life will vary and depends on many factors such as product configuration and usage, software use, wireless functionality, power management settings, and screen brightness. The maximum capacity of the battery will decrease with time and use.

Power Adapter

Power Adapter

- 45W USB-C AC adapter
- 65W USB-C slim AC adapter
- 65W USB-C AC adapter

DESIGN

Display

Display[1]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
12.3″	FHD+ (1920x1280)	Multi-touch	IPS	400 nits	Anti-reflection, Anti-smudge	3:2	1500:1	100% sRGB	178°	Corning® Gorilla® Glass 5

Touchscreen

GF2 Direct Bonding, capacitive-type multi-touch, supports 10-point touch

Notes:

1. California Electronic Waste Recycling Fee
   In California, per state law, Lenovo® charges an electronic waste recycling fee on this covered device at the time of sale of the product. For more information, go to https://www.calrecycle.ca.gov/Electronics/Consumer

Input Device

Pen

- Lenovo Precision Pen, magnetically attached to the system
- Lenovo Digital Pen with replaceable battery
- Lenovo Digital Pen without replaceable battery
- No pen (pen needs to be purchased separately)

Mechanical

Dimensions (WxDxH)

Models	Dimensions
Folio keyboard	283.3 x 217.8 x 5.7 mm (11.15 x 8.57 x 0.22 inches)
Tablet	283.3 x 203.5 x 8.8 mm (11.15 x 8.01 x 0.34 inches)

Weight

Models	Weight
Tablet	760 g (1.67 lbs)
Folio keyboard	340 g (0.75 lbs)

Case Color

Black

Case Material[1]

Magnesium-aluminium

Others

- Hinge locking: 170°
- Kensington® Security Slot

Buttons

- Volume button
- Power button

Notes:
  1. Surface treatment: Peachskin paint

CONNECTIVITY

Network

WLAN + Bluetooth™

Intel Wi-Fi 6 AX201, 802.11ax 2x2 Wi-Fi + Bluetooth 5.1, MU-MIMO

WWAN

- Not Support
- Integrated Mobile Broadband 4G LTE-A, CAT9, Fibocom L850-GL, M.2 card

SIM Card

- No SIM card
- Nano-SIM card slot for WWAN (eSIM support: Gemalto)

NFC

- Near Field Communication
- Not support

WIFI Direct

Support

WIFI Display

Support

Location Services

Models	Location
Wi-Fi model	No location service
WWAN model	GPS + GLONASS + A-GPS

Ports[1]

Standard Ports[2]

- 1x USB-C 3.2 Gen 2 (support data transfer, Power Delivery 3.0 and DisplayPort™ 1.4)
- 1x Thunderbolt 4 / USB4™ 40Gbps (support data transfer, Power Delivery 3.0 and DisplayPort 1.4)
- 1x Pogo pin connector (8-point)
- 1x Nano-SIM card slot
- 1x headphone / microphone combo jack (3.5mm)

Docking

- ThinkPad® X12 Folio Keyboard with touchpad (Pogo Pin, Detachable), 3-level backlight
- No docking

Notes:

1. The transfer speed of following ports will vary and, depending on many factors, such as the processing speed of the host device, file attributes and other factors related to system configuration and your operating environment, will be slower than theoretical speed.
   USB 2.0: 480 Mbit/s;
   USB 3.2 Gen 1 (SuperSpeed USB 5Gbps, formely USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
   USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formely USB 3.1 Gen 2): 10 Gbit/s;
   USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;
   Thunderbolt 3: 40 Gbit/s;
   FireWire 400: 400 Mbit/s;
   FireWire 800: 800 Mbit/s
2. Depending on many factors, actual data transfer speed may be lower than theoretical speed

Monitor Cable

Monitor Cable

- Lenovo USB-C to HDMI® Adapter
- Lenovo USB-C to VGA Adapter
- No monitor cable

SECURITY & PRIVACY

Security

Security Chip

- Discrete TPM 2.0, TCG certified
- Disabled (in some regions)

Fingerprint Reader

- Touch style fingerprint reader on folio keyboard, match-on-chip
- No fingerprint reader

BIOS Security

- Power-on password
- Supervisor password
- System management password
- Hard disk password
- Self-healing BIOS

MANAGEABILITY

System Management

System Management

- Intel vPro Technology, DASH
- None

SERVICE

Warranty

Base Warranty

- 1-year depot service

- 1-year depot with 2-year system board service
- 1-year + 2-year depot service
- 1-year + 2-year limited onsite service
- 3-year (1-yr battery) depot service
- 3-year (1-yr battery) limited onsite service
- No base warranty

ACCESSORIES

Bundled Accessories

Bundled Accessories

- Lenovo USB-C to Ethernet Adapter
- Lenovo USB-C Port Replicator
- None

CERTIFICATIONS

Green Certifications

Green Certifications

- EPEAT™ Gold (tablet mode)
- EPEAT Silver (notebook mode)
- ENERGY STAR® 8.0
- ErP Lot 3
- FAA Certified
- TCO Certified 8.0
- RoHS compliant
- Low Halogen

Other Certifications

Mil-Spec Test

MIL-STD-810H military test passed