

OVERVIEW



1. USB-C 2.0	3. Volume button
2. Power button	4. Card slot

Notes:

- Card slot is for microSD card (WLAN model) or nano-SIM + microSD card (WWAN model)

PERFORMANCE

Processor

Processor Family

MediaTek Processor

Processor^[1]

Processor Name	Cores	Threads	Base Frequency	Max Frequency	Cache	Memory Support	Processor Graphics
MediaTek Helio G90T	2x A76 + 6x A55	-	-	A76@2.05GHz / A55@2.0GHz	-	LPDDR4X	ARM Mali-G76 MC4 GPU

Notes:

1. MediaTek Helio G90T M8185 is for WiFi model, G90T MT8789 is only for LTE model

Operating System

Operating System

Android 11 (R)

Graphics

Graphics

Graphics	Type	Memory	Key Features
ARM Mali-G76 MC4 GPU	Integrated	Shared	-

Chipset

Chipset

MediaTek SoC (System on Chip) platform

Memory

Memory Type

LPDDR4x

Storage

Storage Support

- 64GB UFS 2.1, on systemboard
- 128GB UFS 2.1, on systemboard
- 256GB UFS 2.1, on systemboard
- microSD card, supports FAT32 up to 512GB

Storage Type

Disk Type	Interface
Flash Memory	UFS 2.1

Removable Storage

Card Reader

- microSD card slot (WLAN model, supports up to 512GB FAT32)
- Nano-SIM + microSD card slot (WWAN model, supports up to 512GB FAT32)

Multi-Media

Speakers

4 side stereo speakers, Synopsys codec, JBL® authorized, Lenovo® Premium Audio (LPA) Solution optimized with Dolby® Atmos®

Microphone

Dual array microphone, low-power DSP for far-field voice recognition

Camera

Front 8.0-megapixel RGB wide-angle 99° with ToF sensor, fixed focus; and rear 8.0-megapixel RGB with 86°, auto focus; 2D Face recognition unlock

VoiceCall

- VoiceCall
- Not support

Sensor

Vibrator

Vibrator

Sensors

- Ambient light sensor (ALS)
- Gyroscope sensor
- Accelerometer (G) sensor

Battery

Battery

Integrated Li-Polymer 7500mAh (minimum) / 7700mAh (typical) battery

Max Battery Life^[1]

Standby Time: 500 hr

Online Video Playback Time: Up to 15 hr

Talk Time: Up to 15 hr

Browsing Time: Up to 15 hr

Charging Time

Over 2 hr to fully charged

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

10V/2A (20W) USB-C AC adapter

DESIGN

Display

Display^[1]

Size	Resolution	Touch	Type	Brightness	Surface	Aspect Ratio	Contrast Ratio	Color Gamut	Viewing Angle	Key Features
11.0"	2K (2000x1200)	Multi-touch	IPS	400 nits	AF (anti-fingerprint)	15:9	1500:1	70% NTSC	-	16.7M, 213 PPI, above 85% Screen-to-display Ratio, Dolby Vision™

Touchscreen

Capacitive-type multi-touch, supports 10-point touch, TDDI technology

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 2
- No pen (pen needs to be purchased separately)

Mechanical

Dimensions (WxDxH)

256.8 x 169.0 x 7.9-8.3 mm (10.11 x 6.65 x 0.31-0.32 inches)

Weight

Around 650 g (1.43 lbs)

Case Color

Storm Gray

Case Material

Metal, PC + ABS, and Fabric

Others

Kick-stand hinge: free stop

Buttons

- Volume button
- Power button

CONNECTIVITY

Network

WLAN + Bluetooth™

- 802.11 a/b/g/n/ac 2x2 Wi-Fi + Bluetooth 5.0, MU-MIMO
- 802.11ac Dual-Band 1x1 Wi-Fi + Bluetooth 5.0

WWAN

- 4G LTE
- No WWAN

SIM Card

No SIM card

Cellular Bands

GSM: B2/B3/B5/B8

WCDMA: B1/B2/B5(B6/B19)/B8

FDD LTE: B1/B2/B3/B4/B5(B19)/B7/B8/B20/B26/B28(a+b)

TDD LTE: B38/B40/B41(Full Band)

Carrier Aggregation Support:

CA_1A-3A, CA_1A-7A, CA_1A-8A, CA_1A-20A, CA_3C, CA_3A-3A, CA_3A-7A, CA_3A-8A, CA_3A-20A, CA_7C, CA_7A-7A, CA_7A-20A

WIFI Direct

Support (Miracast)

WIFI Display

Support

FM Radio

Not 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 2.0 (support data transfer, OTG, and Power Delivery 2.0)

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, formerly USB 3.0 / USB 3.1 Gen 1): 5 Gbit/s;
USB 3.2 Gen 2 (SuperSpeed USB 10Gbps, formerly 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

SERVICE

Warranty

Base Warranty

- 1-year carry-in service
- 1-year mail-in service
- 1-year depot service
- 2-year (1-yr battery) depot service
- 2-year (1-yr battery) mail-in service
- 2-year (2-yr battery) carry-in service
- 2-year (2-yr battery) depot or carry-in service
- 2-year (1-yr battery) carry-in service

ENVIRONMENTAL

Operating Environment

Temperature

Operating: 0°C (32°F) to 40°C (104°F)

Humidity

Maximum humidity: 95%, 39°C (102.2°F)

Altitude

Maximum altitude (without pressurization): 3048 m (10,000 ft)

ACCESSORIES

Bundled Accessories

Bundled Accessories

None

SOFTWARE

Preinstalled Software

Preinstalled Software

- Google One
- Netflix
- Office
- OneNote
- Recorder
- Google Photos
- YouTube Music
- Google Play
- Google Play Books
- Google Play Games
- Yandex (RU only)
- YouTube
- Gmail
- Google Assistant
- Google Calendar
- Contacts

- Files by Google
- Calculator
- Clock
- Dolby Atmos
- Dolby Vision
- Google Duo
- Google Entertainment Space
- Google Maps
- Kids Space
- Amazon Music

CERTIFICATIONS

Green Certifications

Green Certifications

- ENERGY STAR® 8.0
- RoHS compliant

Other Certifications

Water Proofing

IP52

Other Certifications

TÜV Rheinland Low Blue Light certified

