

OVERVIEW



1. Headphone / microphone combo jack (3.5mm)	3. Card slot
2. Micro-USB 2.0	

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

PERFORMANCE

Processor

Processor Family

MediaTek Processor

Processor**

Processor Name	Cores	Max Frequency	Memory Support	Processor Graphics
MediaTek MT8321	ARM Cortex A7 Quad-core	A7@1.3GHz	LPDDR3	ARM Mali-400 MP2 GPU
MediaTek MT8765	ARM Cortex A53 Quad-core	A53@1.3GHz	LPDDR3	ARM Mali-T720 MP1 GPU

Operating System

Operating System**

- Android™ 9 (Pie)
- Android 9 (Pie) (Go edition)

Graphics

Graphics**

Graphics	Type	Memory
ARM Mali-T720 MP1 GPU	Integrated	Shared
ARM Mali-400 GPU	Integrated	Shared

Chipset

Chipset

MediaTek SoC (System on Chip) platform

Memory

Max Memory

- 2GB soldered memory, not upgradable
- 1GB soldered memory, not upgradable

Memory Type

LPDDR3

Storage

Storage Support

- 8GB eMMC on systemboard
- 16GB eMMC on systemboard
- 32GB eMMC on systemboard
- MicroSD card, supports FAT32 file up to 128GB, exFAT file up to 1TB

Storage Type

Disk Type	Interface	Offering
Flash Memory	eMMC	8GB / 16GB / 32GB

Removable Storage

Card Reader**

- microSD card slot (WLAN models)
- Nano-SIM + microSD card slot (WWAN models)

Multi-Media

Speakers

Single front speaker, Dolby® Audio™

Microphone

Single microphone

Camera**

- Front 2.0-megapixel RGB, fixed focus, rear 2.0-megapixel RGB, fixed focus
- Front 2.0-megapixel RGB, fixed focus, rear 5.0-megapixel RGB, fixed focus

VoiceCall^[1]

- Voice call
- No support

Notes:

[1] Use of Voice call requires cellular data plan. Voice call functionality details may vary based on local operator network, data and messaging services. Please contact your carriers for details.

Sensor

Vibration Motor

Eccentric Rotating Mass (ERM)

Sensors

Accelerometer (G) sensor

Battery

Battery

Integrated Li-Polymer 3500mAh (minimum) / 3590mAh (typical) battery

Max Battery Life^[1]

Standby time: 2 wks
Online video playback time: 10 hr
Browsing time: 10 hr

Charging Time^[2]

Over 3.3 hr to fully charged

Notes:

[1] All battery life claims are approximate and based on internal testing under optimal laboratory and network conditions. Actual battery performance will vary depending on numerous factors including product configuration and usage, software, operating conditions, wireless functionality, power management settings, screen brightness and other factors. The maximum capacity of the battery will naturally decrease with time and usage.

[2] Charging data claim is approximate and based on internal testing under optimal laboratory. Actual result may vary owing to differences in product configuration, usage, software, operating conditions and other factors.

Power Adapter

Power Adapter

5V/1A (5W) micro-USB 2.0 AC adapter, 100-240V, 50-60Hz

DESIGN

Display

Display^{[1][2]}

Size	Resolution	Touch	Type	Brightness	Surface	Color Gamut
7"	SD (1024x600)	Multi-touch	IPS	350 nits	Glossy	50% NTSC

Touchscreen

Capacitive-type multi-touch, supports 5-point touch

Notes:

[1] California Electronic Waste Recycling Fee
In California USA, 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, please go to <https://www.calrecycle.ca.gov/Electronics/Consumer>.

[2] IPS (in-plane switching) technology may refer to IPS, PLS, ADS, AHVA, AAS.

Input Device

Pen

No support

Mechanical

Dimensions (WxDxH)^[1]
176.33 x 102.85 x 8.25 mm (6.94 x 4.05 x 0.32 inches)

Weight^[2]
236.9 g (0.52 lbs)

Case Color^{}**

- Iron grey
- Onyx black
- Platinum grey

Case Material
PC + ABS + metal for back cover

Buttons

- Power button
- Volume button

Notes:

[1] The system dimensions may vary depending on configurations.

[2] The system weight is approximate and based on results in Lenovo lab, which varies depending on the source of component, variance of the distribution of each component, and manufacturing process. It may not be the exact weight for each specific model.

CONNECTIVITY

Network

WLAN + Bluetooth^{}**

- 802.11 b/g/n 1x1 Wi-Fi® + Bluetooth 4.0
- 802.11 a/b/g/n 1x1 Wi-Fi + Bluetooth 4.2

WWAN^{}**

- 3G WCDMA
- 4G LTE
- No support

Cellular Bands

GSM: B2/B3/B5/B8
UMTS: B1/B2/B5/B8
FDD LTE: B1/B3/B4/B7/B8/B20

Wi-Fi Direct
Support

Wi-Fi Display

- Support
- No support

FM Radio

- FM Radio
- No support

Location Services^{}**

Models	Location
WLAN models	GPS
WWAN model	GPS + GLONASS

Ports^[1]

Standard Ports

- 1x Micro-USB 2.0 (support data transfer and Power Delivery)
- 1x Headphone / microphone combo jack (3.5mm)

Optional Ports**

- 1x Nano-SIM card slot (WWAN support models)
- 1x microSD card slot (WLAN models)

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;

USB4® 20Gbps / USB 3.2 Gen 2x2 (SuperSpeed USB 20Gbps): 20 Gbit/s;

USB4 40Gbps (USB 40Gbps): 40 Gbit/s;

Thunderbolt™ 3/4: 40 Gbit/s.

SERVICE**Warranty^[1]****Base Warranty****

- 1-year carry-in service
- 1-year, Courier or Carry-in
- 1-year mail-in service
- 1-year Customer Replaceable Unit (CRU) service
- 1-year (2-yr battery) carry-in service
- 2-year (1-yr battery) carry-in service
- 2-year (1-yr battery) mail-in service
- 2-year (1-yr battery) courier service
- 2-year (1-yr battery) Customer Replaceable Unit (CRU) service
- 2-year (2-yr battery) carry-in service
- 2-year (2-yr battery) courier or carry-in service

Notes:

[1] Some model may be bundled with warranty upgrade service. To get the service details, please go to <https://smartfind.lenovo.com>. To learn more details of warranty policy, please access <https://pcsupport.lenovo.com/warranty>.

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**

- Protect cover and film
- None

SOFTWARE**Preinstalled Software**

Preinstalled Software^[1]

- YouTube / YouTube Go
- Google Maps / Google Maps Go
- Netflix (Android P only, except RU)
- Google Play Movies & TV (Android P only)
- Google Photos
- Gmail / Gmail GO
- Google / Google Go
- Google Assistant
- Google Calendar
- Google Chrome
- Google Duo

Notes:

[1] Actual application availability varies by country/region.

CERTIFICATIONS

Green Certifications^[1]**Green Certifications**

- ENERGY STAR® 8.0
- RoHS compliant

Notes:

[1] The items listed under the "Green Certifications" section may not only refer to certification but also registration or self-declaration.

Other Certifications**Other Certifications**

TÜV Rheinland® Low Blue Light (Software Solution)

- Feature with ** means that only one offering listed under the feature is configured on selected models.
- Lenovo reserves the right to change specifications or other product information without notice. Lenovo is not responsible for photographic or typographical errors. LENOVO PROVIDES THIS PUBLICATION "AS IS," WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some jurisdictions do not allow disclaimer of express or implied warranties in certain transactions, therefore this disclaimer may not apply to you.
- The specifications on this page may not be available in all regions, and may be changed or updated without notice.

