OVERVIEW

1. Card slot
2. Pogo pin connector (2-point)
3. Volume button
4. Power button
5. USB-C 2.0

Notes:
- Card slot is for microSD card (WLAN model) or nano-SIM + microSD card (WWAN model)
- Headphone / microphone combo jack (3.5mm) (not shown on the sample product above)
PERFORMANCE

Processor

Processor Family
MediaTek Processor

Processor

<table>
<thead>
<tr>
<th>Processor Name</th>
<th>Cores</th>
<th>Max Frequency</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>MediaTek Helio P22T</td>
<td>ARM Cortex A53 Octa-core</td>
<td><a href="mailto:A53@2.3GHz">A53@2.3GHz</a> / <a href="mailto:A53@1.8GHz">A53@1.8GHz</a></td>
<td>IMG PowerVR GE8320 GPU</td>
</tr>
</tbody>
</table>

Operating System

Operating System
Android™ 11

Graphics

Graphics

<table>
<thead>
<tr>
<th>Graphics</th>
<th>Type</th>
<th>Memory</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMG PowerVR GE8320 GPU</td>
<td>Integrated</td>
<td>Shared</td>
</tr>
</tbody>
</table>

Chipset

Chipset
MediaTek SoC (System on Chip) platform

Memory

Max Memory
- 3GB soldered memory, not upgradable
- 4GB soldered memory, not upgradable

Memory Type
LPDDR4x

Storage

Storage Support
- 32GB eMCP4x on system board
- 64GB eMCP4x on system board
- microSD card, supports FAT32 up to 128GB, exFAT up to 2TB

Storage Type

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>Offering</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Memory</td>
<td>eMMC 5.1</td>
<td>32GB / 64GB</td>
</tr>
</tbody>
</table>

Removable Storage

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

Multi-Media

Speakers
Dual speaker optimized with Dolby® Atmos®

Microphone
Dual-microphone array (with dedicated DSP for far field voice recognition)

Camera
Front 2.0MP, fixed focus, face unlock, rear 5.0MP, autofocus

VoiceCall
- Voice call[1]
- 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
• Ambient light sensor (ALS)
• Proximity (P) sensor

Battery
Battery
Integrated Li-Polymer 5000mAh (minimum) / 5100mAh (typical)

Max Battery Life[2]
Standby: 2 wks
Online video playback: 12 hr
Web browsing: 18 hr

Charging Time[2]
Over 4 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/2A (10W) AC adapter, 100-240V, 50-60Hz

DESIGN
Display
Display[1]

<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Touch</th>
<th>Type</th>
<th>Brightness</th>
<th>Surface</th>
<th>Aspect Ratio</th>
<th>Color Gamut</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>HD (1280x800)</td>
<td>Multi-touch</td>
<td>IPS</td>
<td>350nits</td>
<td>Glossy</td>
<td>16:10</td>
<td>60% NTSC</td>
<td>TÜV Low Blue Light</td>
</tr>
</tbody>
</table>

Touchscreen
Capacitive-type multi-touch, supports 10-point touch

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

Input Device
Pen
No support

Mechanical
Dimensions (WxDxH)[3]
199.1 x 121.8 x 8.15 mm (7.84 x 4.79 x 0.32 inches)

Weight[2]
Around 305 g (0.67 lbs)

**Case Color**
Iron grey

**Case Material**
Plastic + metal

**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®**
802.11a/b/g/n/ac dual band 1x1 Wi-Fi® + Bluetooth 5.0

**WWAN**
- 4G LTE CAT4
- No support

**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 bandwidth)

**Wi-Fi Direct**

Support

**Wi-Fi Display**

Support

**FM Radio**

FM Radio

**Location Services**

<table>
<thead>
<tr>
<th>Models</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>WLAN models</td>
<td>GPS + GLONASS</td>
</tr>
<tr>
<td>WWAN models</td>
<td>GPS + GLONASS + A-GPS</td>
</tr>
</tbody>
</table>

**Ports**

**Standard Ports**
- 1x Card slot
- 1x Headphone / microphone combo jack (3.5mm)
- 1x Pogo pin connector (2-point)
- 1x USB-C® 2.0 (support data transfer and charging)

**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;
SERVICE

Warranty

Base Warranty**[1]

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

Notes:

ENVIRONMENTAL

Operating Environment

Temperature

Operating: 0°C (32°F) to 40°C (104°F)

ACCESSORIES

Bundled Accessories

Smart Charging Station (2-point pogo-pin charging connector)

SOFTWARE

Preinstalled Software

Preinstalled Software[1][2]

- Chrome
- Entertainment Space
- Gmail
- Google
- Google Assistant
- Google Calendar
- Google Kids Space
- Google Photos
- Messages
- Phone by Google (cellular device only)
- Play Music

Notes:
[2] Books and video content not available in all regions. Video content subject to availability of YouTube Kids app. Books content requires the Play Books app. Availability of apps, books, and video content may change without notice. Google Assistant not available in Google Kids Space. Google Kids Space requires a Google Account for your child. Parental controls require the Family Link app on a supported Android, Chromebook, or iOS device.
Green Certifications

- (Optional) 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

TÜV Rheinland® Low Blue Light (Software Solution)

- Feature with ** means that only one offering listed under the feature is configured on selected models.
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