PERFORMANCE

Processor

<table>
<thead>
<tr>
<th>Processor Name</th>
<th>Cores</th>
<th>Threads</th>
<th>Base Frequency</th>
<th>Max Frequency</th>
<th>Cache</th>
<th>Memory Support</th>
<th>Processor Graphics</th>
</tr>
</thead>
<tbody>
<tr>
<td>MediaTek Helio A22</td>
<td>4x A53</td>
<td>4</td>
<td>-</td>
<td><a href="mailto:A53@2.0GHz">A53@2.0GHz</a></td>
<td>-</td>
<td>LPDDR3</td>
<td>IMG PowerVR GE-class GPU</td>
</tr>
</tbody>
</table>

Operating System

Android Pie

Graphics

<table>
<thead>
<tr>
<th>Graphics Type</th>
<th>Type</th>
<th>Memory</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMG PowerVR GE-class GPU</td>
<td>Integrated</td>
<td>Shared</td>
<td>-</td>
</tr>
</tbody>
</table>

Chipset

MediaTek SoC (System on Chip) platform

Memory

Memory Type
LPDDR3

Storage

Storage Support
- 32GB eMMC on systemboard
- 16GB eMMC on systemboard
- MicroSD card, supports FAT32 up to 128GB

Storage Type

<table>
<thead>
<tr>
<th>Disk Type</th>
<th>Interface</th>
<th>RPM</th>
<th>Security</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flash Memory</td>
<td>eMMC</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Removable Storage

Card Reader
- MicroSD card slot (WiFi model, supports up to 128GB FAT32)
- Nano-SIM + microSD card slot (WWAN model, supports up to 128GB FAT32)

Multi-Media

Speakers
Single front speaker with Dolby® Audio™

Microphone
Single microphone

Camera
- Front 2.0-megapixel, fixed focus; and rear 5.0-megapixel, auto focus
- Front 2.0-megapixel, fixed focus; and rear 8.0-megapixel, auto focus

Notes:
- Front 2.0MP + Rear 8.0MP is available for India only

VoiceCall
- VoiceCall
- Not support
**Sensor**

Vibrator

**Sensors**
- Ambient light sensor (ALS)
- Accelerometer (G) sensor
- Proximity sensor

**Battery**

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

**Notes:**
- Integrated Li-Polymer 5100mAh (ZA5H0132IN, ZA5H0133IN)

**Max Battery Life**

Standby Time: Over 2 weeks
Online Video Playback Time: 12 hr
Browsing Time: 18 hr

**Notes:**
- All battery life claims are approximate maximum and based on results using the MobileMark® 2014 and/or MobileMark 2018 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.

**Charging Time**

Over 3.3 hours

**Power Adapter**

- 5V/1A Micro-USB 2.0 AC adapter
- 5V/2A Micro-USB 2.0 AC adapter

**DESIGN**

**Display**

<table>
<thead>
<tr>
<th>Size</th>
<th>Resolution</th>
<th>Touch Type</th>
<th>Brightness</th>
<th>Surface</th>
<th>Aspect Ratio</th>
<th>Contrast Ratio</th>
<th>Color Gamut</th>
<th>Viewing Angle</th>
<th>Key Features</th>
</tr>
</thead>
<tbody>
<tr>
<td>8&quot;</td>
<td>HD (1280x800)</td>
<td>Multi-touch</td>
<td>400 nits</td>
<td>Glossy</td>
<td>-</td>
<td>-</td>
<td>60% NTSC</td>
<td>160°</td>
<td></td>
</tr>
<tr>
<td>8&quot;</td>
<td>HD (1280x800)</td>
<td>Multi-touch</td>
<td>350 nits</td>
<td>Glossy</td>
<td>-</td>
<td>-</td>
<td>60% NTSC</td>
<td>160°</td>
<td></td>
</tr>
</tbody>
</table>

**Notes:**
- 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

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

**Input Device**

**Pen**
Not support

**Mechanical**
Tab M8 HD (2nd Gen)

Dimensions (WxDxH)
199.1 x 121.8 x 8.15 mm (7.84 x 4.79 x 0.32 inches)

Weight
305 g (0.67 lbs)

Case Color
- Iron grey
- Platinum grey

Case Material
Metal + PC + ABS for the back cover

Buttons
- Volume button
- Power button

CONNECTIVITY

Network
WLAN + Bluetooth™
802.11ac Dual Band 1x1 Wi-Fi + Bluetooth 5.0

WWAN
- 4G LTE
- Not configured

SIM Card
Not Support

Cellular Bands
GSM: B2/B3/B5/B8
UMTS: B1/B2/B5(B6/B19)/B8
TDD LTE: B38/B40

WIFI Direct
WIFI Direct

WIFI Display
WIFI Display

FM Radio
FM Radio

Location

<table>
<thead>
<tr>
<th>Models</th>
<th>Location</th>
</tr>
</thead>
<tbody>
<tr>
<td>WWAN model</td>
<td>GPS + GLONASS + A-GPS</td>
</tr>
<tr>
<td>Wi-Fi model</td>
<td>GPS + GLONASS</td>
</tr>
</tbody>
</table>

Ports

Standard Ports
- 1x Micro USB 2.0 (support data and PD)
- 1x headphone / microphone combo jack (3.5mm)

Optional Ports
- 1x microSD card slot (WiFi model)
- 1x Nano-SIM + microSD card slot (LTE model)

Notes:
- Depending on many factors, actual data transfer speed may be lower than theoretical speed
- Support Lenovo T-Hub, OTG

SERVICE
Warranty

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

ACCESSORIES

Bundled Accessories
• Earphone
• Back cover and film
• Not configured

Notes:
• Earphone (ZA5H0133IN only)

SOFTWARE

Preinstalled Software
• Tablet Manager
• Lenovo Launcher
• Netflix
• Phone by Google (cellular device only)
• Messages (cellular device only)
• Google Photos
• YouTube Music
• Google Play
• Kids Mode
• Gmail
• Google Calendar
• Google Chrome
• Bing Wallpaper

CERTIFICATIONS

Green Certifications
• ENERGY STAR® 8.0
• RoHS

Other Certifications
Water Proofing
IP5X

TÜV Rheinland Low Blue Light certified