Lenovo Tab M8 HD (2nd Gen) Platform Specifications

Product Specifications Reference (PSREF)

Processor
MediaTek® Processor
MediaTek Helio A22 (4xARM Cortex-A53, up to 2.0GHz)

Graphics
Integrated IMG GE8300 GPU

Display

Size	Resolution	Type	Brightness		Color Gamut		Viewing Angle
8" (203.2mm)	HD (1280 x 800)	IPS	Typ.	400nits	Typ.	60%	160°
			Min.	350nits	Min.	55%	
			Typ.	350nits	Typ.	60%	
			Min.	320nits	Min.	55%	

Multi-touch: TDDI, Capacitive-type multi-touch, supports 10-point touch

Memory
2GB or 3GB / LPDDR3, soldered to systemboard

Storage
16GB or 32GB eMMC (Embedded Multi Media Card), flash memory on board

Card slot
One single card slot (WiFi model) or one dual-card slot (LTE model), supports Nano-SIM card + MicroSD/TF card (Up to 128GB, FAT32)

Bluetooth®
Bluetooth 5.0

WLAN
802.11 a/b/g/n/ac, 1x1, 2.4 GHz / 5 GHz Wi-Fi Dual Bands

WWAN (*Optional*)
4G LTE connectivity

LTE Band
GSM: B2/B3/B5/B8
WCDMA: B1/B2/B5(B6/B19)/B8
FDD LTE: B1/B2/B3/B4/B5(B19)/B7/B8/B20
TDD LTE: B38/B40

NFC
None

WIFI Direct
Yes

WIFI Display
Yes

WHDI
None

FM Radio
Yes

A-GPS (*Optional*)
Yes

GPS
Yes

Glonass
Yes

Beidou
Yes

Vibrator (*Opt*)
Yes

G-sensor
Accelerometer sensor

P-sensor (*Opt*)
Proximity sensor

L-sensor (*Opt*)
Ambient sensor

E-compass
None

Hall Sensor
None

Gyroscope
None

Proofing
IP5X

Dimensions
WxDxH: 7.84" x 4.79" x 0.32"; 199.1mm x 121.8mm x 8.15mm

Weight
305g / 0.67lb

Case color
Iron Grey or Platinum Grey

Case material
Metal/Plastic for back cover

Ports
One Micro-USB 2.0, supports Lenovo T-Hub, OTG,
3.5mm (0.14inch) combo audio / microphone jack,
one MicroSD/TF slot
or dual-card slot for Nano-SIM card and MicroSD/TF card
** Depending on many factors, actual data transfer speed may be lower than theoretical speed*

Buttons
Power key, volume key

Bundled Accy
Earphone (ZA5H0133IN only)

Camera

	Front / Focus Mode		Rear / Focus Mode		Type	Zoom	Flash Light
TB-8505F	2.0MP	Fixed Focus	5.0MP	Auto Focus	CMOS	Digital	No
			8.0MP*				
TB-8505X			5.0MP				
			8.0MP*				

** Front 2.0MP + Rear 8.0MP is available for India only*

Audio
Single side speaker with Dolby Audio® / single microphone (mono),
3.5mm (0.14inch) combo audio / microphone jack (CTIA)

Keyboard
None

Touchpad
None

Security chip
None

Fingerprint reader
None

VoiceCall (*Opt*)
VoiceCall

Battery type
Li-ion Polymer 5000mAh (Minimum) / 5100mAh (Typical)

Battery life
Standby Time: Over 2wks
Online Video playback Time: Up to 12hrs
Browsing Time: Up to 18hrs
** Battery life varies significantly with settings, usage, & other factors*

AC adapter
5V/1A or 5V / 2.0A

Charging time
Over 3.3hrs

Preload
Android® Pie

Lenovo applications
- Camera
- FM Radio
- Tablet Manager

Third-party applications
- Google
- Maps
- Gmail
- YouTube
- Messages (TB-8505F)
- Phone (TB-8505F)
- Google Chrome
- Google Photos
- Duo
- Calendar
- Files
- Netflix (ROW version)

**Applications vary from different Android Pie versions*

Limited warranty
One of the following, configurable by model:
- 1-year mail-in service
- 2-year/1-yr battery mail-in service
- 1-year courier / depot service
- 2-year/1-yr battery courier / depot service
- 1-year customer carry-in service
- 2-year/1-yr battery customer carry-in service
- 2-year/1-yr battery courier / depot or customer carry-in service

Environment
RoHS-compliant

Note: The specifications above may not be available in all regions