



Features

- MT8781 (2x Cortex A76 2.2GHz / 6x Cortex A55 2.0GHz)
- Android 16, GMS (EDLA)
- 8" IPS TFT LCD, 800 x 1280 pixels (WXGA), 600 cd/m² (Typ.)
- IP65 waterproof and dustproof, 1.2m (4ft.) drop resistance
- Embedded 1D/2D barcode imager, 8M front camera and 13M rear camera
- High mobility with multiple-connectivity including WLAN, BT and WWAN.
- Hot-swappable battery system provides 24/7 mobile computing



System

CPU	MediaTek MT8781 Octa-core (2x Cortex A76 2.2GHz / 6x Cortex A55 2.0GHz)
OS	Preloaded with Android 16 with seamless upgrades to Android 18.
Memory	4GB / 8GB (LPDDR 4X)
Flash	64GB UFS 2.2
Optional Storage	microSD card slot (up to 512GB)

LCD Display

Size/Type	8" IPS TFT LCD
Resolution	800 x 1280 pixels (WXGA)
Brightness(cd/m2)	600 cd/m ² (Typ.)
Touch Screen	Projected Capacitive Multi-Touch, Corning Glass, Anti-glare

Peripherals and Devices

Camera	Front: 8M Rear: 13M AF with Flashlight
Sensor	Accelerometer (G-sensor), Digital Compass, Gyroscope, Ambient Light Sensor
Navigation	AGPS, GPS, GLONASS, Beidou, Galileo
Barcode Scanner	SE4710 1D/2D Scanner
Audio & Vibrator	2 x built-in microphone 1 x built-in speaker (2W) 1 x vibrator
OTG	Support

Wireless

WiFi	WiFi 6E
Bluetooth	Bluetooth 5.4
WWAN	3G: 1/2/5/8, HSDPA/HSUPA/HSPA+ 4G: 1/2/3/4/5/7/8/12/20/26/28/34/38/39/41 Telit LTE: LE910C4 (optional) Telit 5G : 5G RdCap: FE910C04(optional)
NFC	Support ISO/IEC14443A/B, ISO/IEC15693; Tags 2/3/4/5

RFID Range:TBD Reads:TBD tags/s

I/O Interface

USB Ports	USB 2.0 Type-C
I/O	USB Type-C x1 (USB 2.0 OTG), Nano SIM x1, microSD slot x1, eSIM x1 (Optional)
Buttons	Trigger Key, Volume +/-, Power Key

Durability Features

IP-65 Certified
1.2m (4ft.) drop-resistance

Power Supply

Charging	USB Type-C, Pogo pin (Fast Charging)
Power Input	9V/2A(fast charging) or 5V/3A (PD2.0/ PE2.0) support
Battery Capacity	5700mAh, Battery life >10 hours; Easily replaceable by end-user; Sub battery supports hot swap

Key

Physical Buttons	Volume, Barcode Trigger, Power Button
------------------	---------------------------------------

Mechanical & Environmental

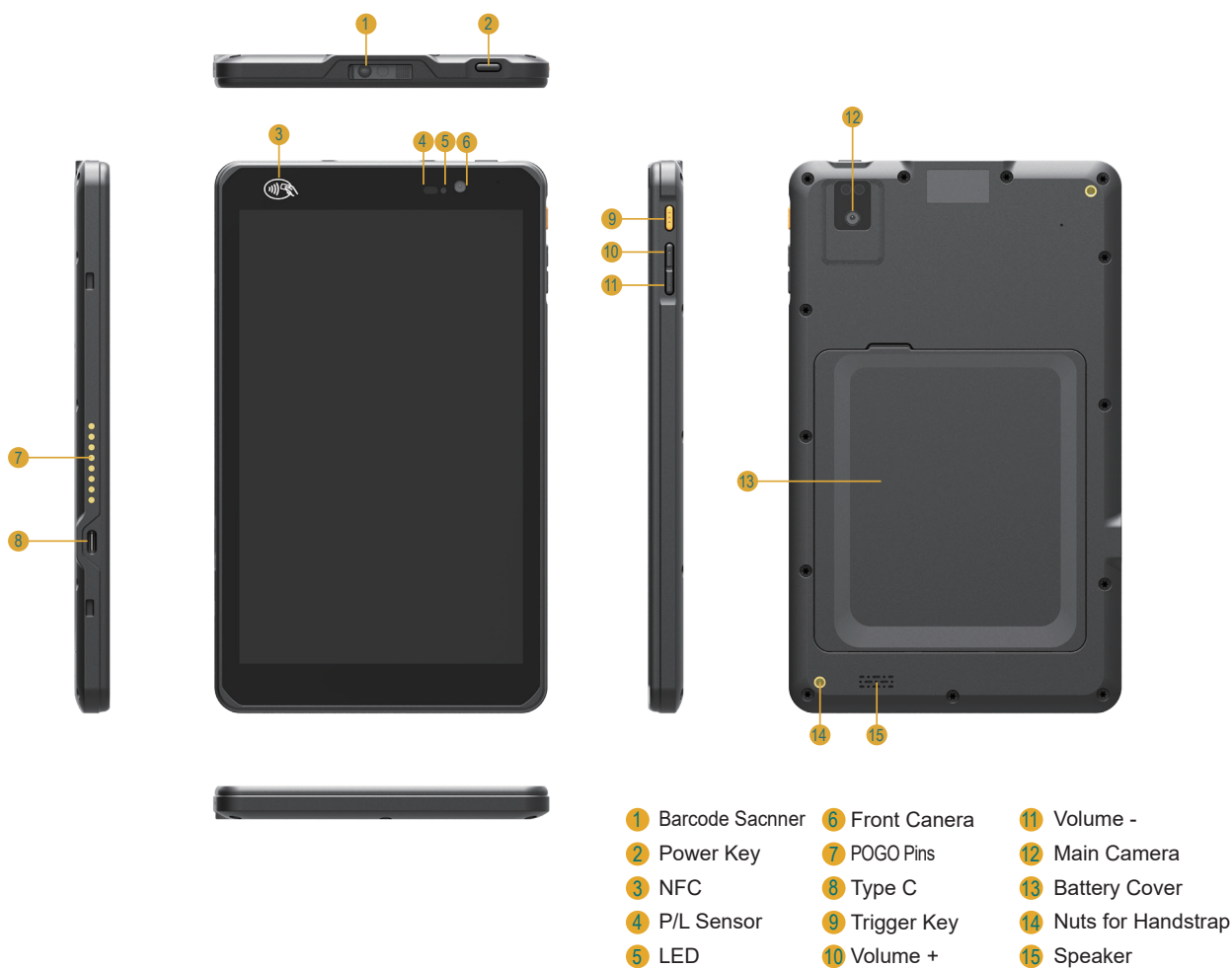
Operating Temp.	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temp.	-30°C ~ 70°C (-22°F to 158°F)
Shock & Vibration	MIL-STD-810H, 514.8C-3
Relative Humidity	5% ~ 90% RH operating, non-condensing; 5% ~ 95% RH storage
Dimension	210.0 x 126.5 x 12.3 mm
Weight	< 500g (1.49lb)

Accessories

Accessories	Cradle, Hand Strap
-------------	--------------------



Dimensions



Accessories

Part Name	Q'ty	Description
Rechargeable Li-ion Battery	1	Rechargeable Li-ion Battery, Rated Capacity 5700 mAh (21.66Wh)
Adapter	1	9V2A DC Adapter, Support fast charge up to 18W
Cable	1	USB-C Cable, Black, 1000mm USB Type-C to A

Optional Accessories

Part Name	Description	
RT080 Cradle H	Charging Cradle with LAN.RJ11 for CD, USB Type A x 4	
RT080 Cradle S	Charging Cradle with USB-C	
Hand Strap	Hand Strap	

All specifications are subject to change without notice. Last update: JULY.14.2026

