



Ruby 8

8" Payment Device

Powered by **MEDIATEK**



Features

- MediaTek 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



Android 16



1D/2D
Barcode



GPS



Wi-Fi 6E



NFC
Payment



HSPA+

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/m ²)	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

Wi-Fi	Wi-Fi 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 hot swap

Key

Physical Buttons	Volume, Barcode Trigger, Power Button
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Mechanical & Environmental

Operating Temp.	-10 ~ 50°C (14 ~ 122°F)
Storage Temp.	-30 ~ 70°C (-22 ~ 158°F)
Shock & Vibration	MIL-STD-810H, 514.8C-3
Relative Humidity	5% ~ 90% RH operating, non-condensing; 5% ~ 95% RH storage
Dimension	210 x 126.5 x 12.3 mm
Weight	< 500g (1.49lb)

Accessories

Accessories	Cradle, Hand Strap
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Layout



Accessories

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

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	