



TS820 RFID Handheld Reader



Features

- Excellent: Impinj R2000 chip with UHF more than 12m reading distance.
- **Powerful: Android 8.1 OS, MTK MT6765 Octa-core 2.3GHz**
- Humanist: hand grip ergonomic design, light wight
- **Industrial IP65 rugged, 1.2M Drop to concrete, applying to kinds of severe environment**

Performance Characteristics

CPU	: MTK MT6765 Octa-core (4xA53 2.3Ghz, 4xA53 1.8Ghz)
Operating System	: Android 8.1 (GMS Certified)
Memory	: 32 GB ROM+4 GB RAM
Display	: 5.65" FHD+ 1080 x2160
Standard I/O Port	: USB Type C OTG
Expansion Slot	: 1 Micro SD Slot, 2 SIM Slots
Notification	: Indicator LED, Speaker

Network Characteristics

WIFI	: 802.11a/ac/b/g/n (2.4G+5G) GSM(B2/B3/B5/B8)
WWAN(Overseas)	: WCDMA: B1/B2/B5/B6/B8 TDD-LTE: B38/B40/B41(100M) FDD-LTE: B1/B3/B5/B7/B8/B18/B19/B20/B26
GPS	: GPS + AGPS , BeiDou, with internal Antenna
Bluetooth	: 5.0

UHF RFID

Protocol	: ISO/IEC 18000-6B, ISO/IEC18000-6C / EPC C1G2
Reading Distance	: 0~ ≥12m(According to Tag & Environment)
Antenna	: Circular 4dBi
RF output	: 0-33dBm adjustable USA:902-928MHz (FCC part 15)
Frequency	: EU: 865-868MHz (ETSI EN 302 208) CHN:920-925MHz(CMII)

Physical Characteristics

Dimensions(L x W x H)	: Full set: 164mm(L)×99mm(W)×148.5mm(H)
Weight	: About 630g
Micro SD card	: Maximum support 64G Micro SD card
Storage Temp.	: -40°C~+85°C
Operating Temp.	: -20°C~+70°C
Humidity	: 5% RH~95%RH (non-condensing)
Drop Spec.	: 1.2M Drop to concrete
Dust & Water Proof	: IP65

Data Capture & Data Processing Device

Camera	: Rear: 1300MP(PDAF)+Flash led - Front: 500MP(FF)
Barcode Engine	: 2D Imager Barcode Scanner

Battery Supply

Main Battery	: Lithium Polymer 10,000mAh(Rechargeable)
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Accessories

Power Adapter	: Input AC100V ~ 240V / Output DC 9V 2A
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