

S10 RFID

Handheld Managed RFID Computer

All-in-One UHF RFID Reader

Our S10 RFID is a globally-proven, all-in-one UHF RFID handheld reader engineered to deliver maximum operational efficiency with a minimal upfront investment. It's a powerful tool for industries that require real-time visibility in logistics, inventory control, and asset management, providing a fast return on investment (ROI).

Key Features

Ultimate RF Stability

By maintaining an Extreme Transmit Power of up to 34dBm, the S10 RFID guarantees unwavering, stable RFID performance even in the most demanding wireless frequency conditions.

Perfect Harmony of Global Compliance and Performance

The device not only adheres strictly to global regulations but also delivers best-in-class tag recognition performance, providing reliable compliance you can trust.

Blazing-Fast Tag Reading Capability

The S10 RFID boasts an incredible processing speed, recognizing over 1,300 Tags per second. This drastically cuts down inventory time, accurately tracks large-scale assets in real-time, and ensures your business experiences zero delay.

Lower TCO

The S10 RFID integrates essential functionalities into one small device, directly tackling the burden of increased maintenance and accessory costs associated with separate hardware, leading to a significantly lower total cost of ownership (TCO).

Extended Reading Range

Capture tags accurately and quickly from distances of up to 13+ meters (42.65+ feet) or more, maximizing operational efficiency in large warehouses and challenging outdoor environments.



Applications

Warehouse & Logistics

- Inventory Management
- Real-Time Inventory Synchronization
- Automated Data Capture
- Process Optimization

Retail

- Inventory Management
- Returns Management
- Item Location Tracking
- Stock Accuracy
- In-Store Operations Support
- Customer Service Enhancement

Construction & Heavy Equipment

- Asset Tracking
- Material Tracking
- Site Audits
- Compliance Management

Healthcare & Public Institutions

- Patient Verification
- Asset Tracking
- Contactless Audits
- Safety Management
- Operational Efficiency

Manufacturing

- Work-in-Progress (WIP) Tracking
- Inventory Management
- Production Line Optimization
- Tool Tracking

Field Service / Maintenance

- Equipment Identification
- Maintenance History Tracking
- Service Documentation
- Compliance Management
- Field Operations Support

Key Features

Feather-light Portability

Its ultra-lightweight design, weighing in at a remarkably light 613.8g, is significantly lighter than competitive products, reducing the burden on workers throughout the day.

Optimized Grip and Balance

The ergonomically designed long, flexible grip offers superior comfort when gripping for extended periods, while the optimized center of gravity minimizes hand strain and device wobble during use.

Anti-Slippage Engineering

Special design applied to the trigger housing and handle base prevents slippage, simultaneously ensuring job safety and data security.

Next-Generation RFID Chip

Equipped with the powerful E710 RFID chip, the S10 RFID fully supports EPC Class1 Gen 2 / EPC GEN2 V2, Gen2X / ISO 18000 -63 protocols, enabling rapid and precise tag recognition capabilities.

Enhanced Android Operating System

S10 RFID runs on the latest Android version, delivering faster performance, enhanced security features, and a seamless user experience across all enterprise applications.

S10 RFID Specifications

Physical Characteristics

Dimensions (L x W x D)	172.45 x 85.4 x 160.5mm
Weight	613.8g
CPU	QCM SM6225 OctaCore up to 2.4GHz
Operating System	Android 14 (support for android 16, 18 versions)
Display	5.5" HD=(1440 x 720)
Memory	6GB RAM / 64GB UFS Flash 8GB RAM / 128GB UFS Flash (Optional)
Power	Standard : 7,000mAh (Default)
Hot swap	Support
Quick Charging	Support
SIM / SAM	eSIM (Optional)
Notification	Audible tone; Vibration Scan LED Charging LED (multi-color LEDs)
Configurations	RFID only Barcode on EMC
Interface	Bottom : USB Type-C Connector, 2-pin Charging Connector
User Input	On-screen keypad Power Button Volume Up/Down Button Programmable Button Dual-action side scan buttons
Voice and Audio	Dual noise-cancelling microphones ; Vibrate alert; High-quality Single speaker phone; Bluetooth wireless headset support
PTT Hot Key	Supported Available dual-action side scan triggers

RFID Performance

Standards Supported	EPC Class 1 Gen 2, EPC GEN2 V2, Gen2X
Fastest Read Rate	1,300+ Tags/sec
Nominal Read Range	42.65+ft / 13+m
Power Output 1W = 30dBm 2W = 33dBm	US: 902~928MHz, 9.79~34.79dBm (EIRP) EU: 865~868MHz, 7.29~32.29dBm (ERP) EU Upper: 916.3, 917.5, 918.7MHz, 9.44~34.44dBm (EIRP)
Frequency Range / RF Output	US : 902-928 MHz; EU : 865-868 MHz; EU Upper : 916.3, 917.5, and 918.7MHz;
Batch Mode Memory	N/A
Antenna Polarization	Linear

Wireless Wan

Radio Frequency Band	(esim Only) Worldwide : 4G : LTE-FDD: B1/B2/B3/B4/B5/B7/B8/B19/B20/B28, LTE-TDD: B38/B40/B41 3G : UMTS: B1/B2/B3/B4/B5/B8/B9/B19 2G : GSM: 850/900/1800/1900
GPS	(esim Only) GPS/Glonass/BeiDou/Galileo/SBAS

Wireless Lan

Radio	WLAN 1 × 1 IEEE 802.11 a/b/g/n/ac/d/h/i/r/k/v1/w/ax(ready) WIFI 6 Ready
Data Rates	2.4 GHz: 802.11b/g/n (20 MHz, 40 MHz – up to 150 Mbps) 5 GHz: 802.11a/g/n/ac (20 MHz, 40 MHz, 80 MHz - up to 433 Mbps)
Security and Encryption	WEP (40 or 104 bit); WPA/WPA2 Personal (TKIP, and AES); WPA3 Personal (SAE); WPA/WPA2 Enterprise (TKIP and AES); WPA3 Enterprise (AES) EAP-TTLS (PAP, MSCHAP, MSCHAPv2), EAP-TLS, PEAPv0-MSCHAPv2, PEAPv1-EAP-GTC, LEAP and EAP-PWD; WPA3 Enterprise 192-bit Mode (GCMP-256) EAP-TLS; Enhanced Open (OWE)

* Android version is subject to change depending upon Qualcomm’s roadmap

* Please be informed that Bluebird warranty program should be purchased to get Android upgrade service.

* Specifications are subject to change without notice and some features may vary by region.

Communication

Physical Interface	USB C (USB 3.0) OTG
WIRELESS PAN	Bluetooth V5.1, BLE, Class 2
Compatible Host Devices	N/A

Data Capture

Scanning	1D/2D Imager
Camera	Front Camera : 5MP

User Environment

Operating Temp	-20°C to 50°C / -4°F to 122°F
Storage Temp	-40°C to 70°C/-40°F to 158°F
Charging Temp	0°C to 45°C / 32°F to 113°F
Humidity	5% to 95% non condensing
Drop Spec	Multiple 1.5m / 5ft drops to tile over concrete at room temperature
Tumble Spec	600 tumbles, 1.6 ft./0.5 m
Sealing	IP54
Electrostatic Discharge (ESD)	+/-15kv air discharge +/-8kc direct discharge +/-8kv indirect discharge

Accessories

In-box	Battery
Additional	5V/3A Direct Charging Power adapter
	USB C to A data cable
	1 Slot Charging Cradle
	Hand Strap
	Wrist Strap

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