



QY-H20

RFID Handheld Terminal



1.Product Features

- Using Excellent Scanning Code Module, With Faster Scanning Effect
- Industry's Leading Flagship Eight Core 64 Bit Processor, 2.45 GHz
- Using Excellent RFID Chip E710, It has Falpecting Effect and a Farther Distance
- Build the new OS Android11.0 Makes the Customer System Run Smoother
- 4300mAh Large Capacity Polymer Lithium Battery, Battery Life is More Long Lasting
- IP67 DustProof and Waterproof, 1.2m Drop Resistance to Ensure Reliable Quality. Handheld Long Range RFID Reader Can Adapt to -20~+60°C Working Temperature, Even in Harsh Environments.

2.Specifications

Performance Parameter	
Model	QY-H20
O.S.	Android 11.0
CPU	Octa Core, 2.45 GHz
Memory	RAM: 4GB ROM: 64GB ;RAM: 6GB, ROM: 64GB (optional)
Extended Memory	Micro-SD card, Up to 256GB
Basic Specifications	
Dimensions	162.6*76*13.6mm
Weight	265g
Display	5.7 Inch Display (720*1440)
Touch Screen	Ultra Sensitive Capacitive Touch Panel, Support Multi Touch, Works With Gloves and Wet Fingers
Main Battery	3.85V 5000mAh Rechargeable Lithium Battery,Removable.
Slots	Micro SD/TFx1 , Nano-SIMx2
Audio	Dual-Microphone (Noise Cancellation), Speaker (1.5W, 100dB @10cm), Receiver, 3.5mm Audio Jack
Buttons	PWR Button, Vol+/- Button, Scan Button*2, Custom Button
Scanning	Professional Scan Engine Support International Standard 1D/2D Barcode; Support Barcode Displayed on Screen and Colored Barcode;
Sensors	Light + Accelerator+ Proximity + Geomagnetic + Gyro(Optional)
Camera	Front 5MP , Top 13MP With Flash
Interfaces	USB Type-C*1, Support OTG, Support USB3.1; Bottom Pogo pin*2, Back Pogo pin* 9
Fingerprint	Capacitive Fingerprint Module (Optional)
RTC	The System Time Could be Backed up for 10 Minutes After the Battery is Removed



Network Connections	
WWAN	4G/ 3G/ 2G Dual-SIM, Dual-Standby
Bluetooth	BT5.0 + BLE
Wi-Fi	2.4G/5G, IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w Roaming: 802.11r /OKC/ PMKID Caching, 802.11ax Ready
Positioning	Dual-band GPS (L1) 、 A-GPS、 BeiDou、 GLONASS 、 Galileo
Environment	
Operating Temp.	-20°C to 60°C
Storage Temp.	-40°C to 70°C
Humidity	5%RH ~ 95%RH (No Condensation)
Drop Specification	Multiple 1.5 m Drops to Concrete at Room Temperature
Sealing	IP67
ESD	+/-15kv Air; +/-8kv Contact

3.Data Capture Specifications

Rear Camera	
Functions	Flash Light (700mA), Auto-Focus, Video, PDAF
Pixels	13MP
Front Camera	
Functions	Fixed-Focus
Pixels	5MP
Scan Engine	
Scan Angels Tilt	360°
Scan Angels Pitch	±60°
Scan Angels Skew	±60°
Barcodes Support	Linear: Codabar 11, Code 128, Code 2 of 5, Code 39, Code 93 and 93i, EAN/JAN-13, EAN/JAN 8, IATA Code 2 of 5 Interleaved 2 of 5, Matrix 2 of 5, MSI, GS1 Databar, UPC-A, UPC E, UPC-A/EAN-13 with Extended Coupon Code, Coupon GS1 Code 32(PARAF), EAN-UCC Emulation, GS1 Data Bar 2D Stacked: Codablock A, Codablock F, PDF417, MicroPDF417 2D Matrix: Aztec Code, Data Matrix, MaxiCode, QR Code, Chinese Sensible(Han Xin), Grid Matrix, Dot Code Postal: Australian Post, British Post, Canadian Post, China Post, Japanese Post, Korea Post, Netherlands Post, Planet Code, Postnet



RFID (HF)	
RFID	Read/Write (HF)
Protocol	ISO15693、ISO14443 A/B 、Mifare、Felica
Frequency	13.56MHz
Mode	Card Emulation、Peer-to-Peer、Reader
Reading Range	Read Distance 0-6cm (ISO15693), 0-4cm(ISO14443A/B)

4.Network Connections

GPS Positioning	
Support Mode	GPS, A-GPS, BeiDou, GLONASS, Galileo
Frequency	GPS(L1 1.575GHz C/A Code), BeiDou(B1 1.56GHz), GLONASS(L11.602GHz), Galileo(E1 1.589 GHz/E2 1.561 GHz)
Cold Start Time	Less Than 40s
Max Channel	31 Channel
Sensitivity	-130dB(SNR Value 40dBHz)
Precision	5-10 Meters (Open Space)
Wireless LAN	
Protocol	IEEE 802.11a/b/g/n/ac/d/e/h/i/k/r/v/w Protocol (2.4G/5G Dual Band WIFI), IEEE 802.11ax Ready
Frequency	2.4G、5G
Working Channels	CH1~CH13,CH34~CH140,CH149~CH165(Depends on Area)
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 192-bit Mode (GCMP-256) - EAP-TLS; Enhanced Open (OWE)
Fast roaming	PMKID Caching; Cisco CCKM; 802.11r(Over-the-Air); OKC, Can Set WiFi Roaming Threshold



Wireless WAN	
WAN Mode	Dual-SIM,Dual-Standby
Worldwide Radio Frequency Band	TD-LTE(B34/B38/B39/B40/B41) FDD-LTE(B1/B2/B3/B4/B5/ B7/B8/B12/B13/ B17/B20/B28A/B28B) WCDMA(B1/B2/B4/B5/B8) TD-SCDMA(B34/B39) CDMA2000 1x EV-DO Rev A BC0 (800MHz) CDMA1x GSM/EDGE/GPRS(850/900/1800/1900)
Bluetooth	
Support Mode	BT5.0+BR/EDR+BLE
Connection Distance	More than 10 m

5.Optional Accessories

Accessories Type					
Standard Accessories		Adapter*1, Type-C cable*1, Battery*1, Hand Strap*1, Instructions &Security Information & Warranty Card*1			
Optional Accessory		Charging cradle,Multi-Slot Cradle,4-Lot Battery Charging Cradle, Hand Strap,Gun Grip,UHF Gun Grip, Boot Case,Optical Fingerprint Screen Protector, Holster			
Accessories Picture					
Fingerprint Back Cover	Handle	Single Seat Charger	Four Battery Charger	Five-Way Charger	UHF Handle
					

