



QY-H20U RFID Handheld Terminal



1.Product Features

- 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
- 9000mAh 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-H20U (E710)
O.S.	Android 11.0
CPU	Octa Core, 2.45 GHz
Memory	RAM: 4GB ROM: 64GB
Extended Memory	Micro-SD card, Up to 256GB

Basic Specifications	
Dimensions	143.3mmx169mmx90.5mm
Weight	678g
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 9000mAh Rechargeable Lithium Battery
Charging time	Less Than 7 Hours
Audio	Dual Microphone(Noise Cancellation),Speaker 1.5W,Receiver
Buttons	PWR Button, Vol+/- Button, Scan Button*2, Custom Button
Slots	Professional Scan Engine Support International Standard 1D/2D Barcode;Support Barcode Displayed on Screen and Colored Barcode;
Sensors	Light + Accelerator+ Proximity + Geomagnetic + Gyro
Camera	Front 5MP , Top 13MP With Flash
Interfaces	Nano-SIM×2, Micro SD Can Support up to 256GB Expansion

Environment	
WWAN	Dual Card Dual Standby, 4G, 3G, 2G Full Netcom
Bluetooth	BT5.0+BR/EDR+BLE



Positioning	GPS, A-GPS, BeiDou, GLONASS, Galileo
WIFI	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
Environment	
Operating Temp	- 20°C ~ 60°C
Storage Temp	- 40°C ~ 70°C
Humidity	5%RH ~ 95%RH (No Condensation)
Drop Specification	Multiple 1.2m Drops to Concrete at Room Temperature
Sealing	IP67
ESD	+/-1 5kv Air; +/-8kv Contact

3.Data Capture Specifications

Camera	
Webcam	Front Camera
Functions	Fixed Focus, 1080p Video Recording
Pixels	500W
Webcam	Top Camera
Functions	Support Flash Light (700mAh, Support Flashlight Function), Autofocus, AutomaticFocusing,1080p Video Recording
Pixels	1300W
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 (UHF)	
RFID	Read/Write (UHF)
Frequency Range	902 ~ 928MHz & 865 ~ 868MHz (Can Be Adjustable)
Standards supported	ISO18000-6C (Standard EPC C1G2)
Nominal read range	Up to 20 m (Depends on RFID Tags, Adjustable)
RFID antenna gain	Increase 5dBi

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	Standing Charger (1 Device+1 Battery Charging), Steel Film
Optional Accessory	Single Standing Charger , Protective Film

