



QY-D20

RFID Handheld Terminal



1.Product Features

- The 4-inch Screen of Provides Extra Space for Information, While Full Keypad Shortcut Support Allows Better and More Convenient Operation.
- Android11.0 System,Flagship Eight Core 2.0 GHz Processor, Super Performance Configuration
- Optimized Loudspeaker Designed, and The Noisy Environment Can Be Heard Very Clearly
- Professional Scan Engine, a Millisecond Response, Supporting Bending, Fold, Dirt Loss, Screen Code, etc.
- Efficient Voice Intercom, Communicating at Any Time, More Efficient
- Waterproof Structure Design, Dripping Water Does Not Enter

2.Specifications

Performance Parameter	
Model	QY-D20
O.S.	Android 11.0
CPU	Octa Core , 2.0 GHz
Memory	RAM:2GB ROM:16GB; RAM:3GB ROM:32GB; RAM:4GB ROM: 64GB(optional)
Extended Memory	Micro-SD Card, Up to 256GB
Basic Specifications	
Dimensions	164.5*68.6*17.5 mm
Weight	279g (Including Battery)
Display	4 Inch Display (480*800)
Touch Screen	Ultra Sensitive Capacitive Touch Panel, Support Multi Touch, Works With Gloves and Wet Fingers
Main Battery	3.85V 4500mAh Removable Lithium Battery
Audio	Microphone, Speaker, Receiver
Buttons	Front 21-key Digital Main Keyboard, Power key, Volume +, - key, Custom key, Scan key*2
Camera	Front 2MP , Rear 13MP With Flash
Scanning	Professional Scan Engine Support International Standard 1D/2D Barcode; Support Barcode Displayed on Screen and Colored Barcode;
Sensors	Light + Accelerator+ Proximity
Slots	Micro SD/TFx1 , Nano-SIMx2 Can Support 256GB Expansion



Network Connections	
WWAN	4G/ 3G/ 2G Dual-SIM, Dual-Standby
Bluetooth	BT5.0 + BR/EDR + 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	GPS, 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 1.2 m Drops to Concrete at Room Temperature
Sealing	IP67, Waterproof Structure Design
ESD	+/-15kv Air; +/-8kv Contact

3.Data Capture Specifications

Rear Camera	
Functions	Flash light, Auto-focus, Video
Pixels	13MP
Front Camera	
Functions	Fixed-Focus
Pixels	2MP
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	Readable ISO15693、ISO14443 A/B/F
Frequency	13.56MHz
Mode	Card Emulation、Peer-to-Peer、Reader
Reading Range	Reading Distance 3-8cm, The Distance is Related to The Tag

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	Single Charging Cradle(1 Terminal, 1 Battery Charging), 4-slot Charging Cradle, 4-Slot Battery Charging Cradle, Pistol Grip, Hand Strap, Boot Case		
Accessories Picture			
Handle	Single Seat Charger	Four Battery Charger	Five-Way Charger
			

