

α712 Mobile RFID Reader



DETAIL



CHARACTERISTIC

- Connect with almost any mobile phone
- Multi communications - WIFI/Bluetooth/USB
- Long-lasting and swappable battery power
- Ultimate UHF read/write performance
- 1D/2D barcodes and UHF tag capture
- Free SDK and flexible sample applications



ITEM DESCRIPTION

Best-in-Class UHF RFID reading performance, α712 Mobile reader reads 180 tags per second on average, 12 meters of reading distance when reading a typical tag, and up to 30 meters with a special tag.

Attaching a mobile phone to the reader, users can use their own functions of the mobile phone and 2D barcode scan and high-performance RFID reading functions with one hand, and the other hand can be used to do other tasks that the user wants.

Furthermore, it provides three different antenna options to choose from, Plate, Cross, and Circular, outstanding performance Cross antenna design provides the highest reading performance without directionality.

6800mAh high capacity battery which is included in the package provides increasing the time to use of UHF RFID function and allows battery replacement easy.

UHF RFID function can be used to the maximum extent possible with different from conventional RFID readers.

SPECIFICATION

Performance Characteristics	Processor	Octa core 2.0GHz	Physical Characteristics	Audio	Speaker
	Memory	LPDDR3 2GB RAM, eMMC 8GB Internal		Standard I/O Port	USB, SERIAL
	Operating Temp.	-20°C~+70°C(-68°F~+158°F)		Display	OLED 64 X 128 Pixels
	Storage Temp.	-30°C~+80°C(-86°F~+176°F)		Expansion Slot	Desk top charger
	Humidity	95% non-condensing		Notification	Vibrator and LED indicators, Speaker
	Drop test	1.5M(4.92 ft) Drop to Concrete		Weight	Cross : 481g(0.92lb) / Plate : 456g(1 lb) Circular : 457g(1 lb) All including battery 114g(0.25lb)
	Dust & Water Proof	IP65		Dimensions (LxWxH)	Cross : 87 x 211.5 x 119.2 mm (3.42 x 8.32 x 4.69 in) Plate : 157.2 x 149.5 x 119.2mm (6.18 x 5.88 x 4.69 in) Circular : 84.15 x 160 x 119.2mm (3.31 x 6.29 x 4.69 in)
Power Supply	Main Battery	6800 mAh(Lithium ion)	UHF Reader/Writer	Frequency	860MHz - 960MHz
	Power Adapter	5V 4A USB Type C		Reading Range	Cross : 0M - 12M (Depending on Tag & Environment) Plate : 0M - 15M (Depending on Tag & Environment)
Network Characteristics	WLAN	IEEE 802.11 a/b/g/n/ac		Reading Speed	160 tags/ Sec. (Unique ID) 900 tags / Sec. (Repeat ID)
	Bluetooth	Bluetooth V4.2+EDR		RF output	1W 5dBm~30dBm (step 1dB Adjustable by software)
	USB	USB to Mobile device		Protocol	Gen2, ISO/IEC 18000-6C
	Serial	Serial to Mobile device		Special function	Anti-Collision
Data Capture Device	Barcode Engine	2D Imager Barcode Scanner			
Accessories Cradle	Cradle	USB Client, USB Charger			

APPLICATION EXAMPLE

Logistics management	Retail management
Factory management	Asset management