

α711 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

A711 is a High-performance UHF RFID reader connecting to almost any mobile phone.

You can select a WIFI, Bluetooth, or USB connection to link to your Android mobile phone or iPhone and read the RFID tag fastest and furthest.

Also, you can optionally add a 2D barcode engine from Zebra to capture 1D/2D barcode data and multitask on mobile phones efficiently.

α711 provides a stable connection between UHF reader and mobile phone, furthermore enables the user to use high-performance UHF and barcode capturing functions with mobile phone functions such as computing systems, camera, and cellular network.

You can hold two devices in one hand and performs any work that you need to do with another hand efficiently.

The standard battery, 6800mAh, allows UHF RFID reading lasting long and is swappable if new battery power needs. No need to wait for charging. You can experience better differentiate high performance and optimized design in UHF RFID reading with α711. This model has been selected by the education office for asset and material management.

SPECIFICATION

Performance Characteristics	Processor	Octa core 2.0GHz	Physical Characteristics	Audio	Speaker
	Memory	LPDDR3 2GB RAM, eMMC 8GB Internal		Standard I/O Port	1Port USB 2.0 Client
	RFID Engine	Custom module with embedded Impinj R2000		Expansion Slot	1Port UART(RS-232+Out Support5V)/ 1Port USB Client
	Operating Temp.	-20°C~+70°C(-68°F~+158°F)		Notification	14 EA LED Indicator, Vibrator
	Storage Temp.	-30°C~+80°C(-86°F~+176°F)		Key	Power key, Reset key, Function key 7 EA
	Humidity	95% non-condensing		Weight	440g(114 g battery included) 0.97lb
Power Supply	Main Battery	6800 mAh (Lithium ion)	UHF Reader/Writer	Dimensions (LxWxH)	168mm x 84mm x 15mm (6.61 x 3.30 x 0.59 in)
	Power Adapter	5V 4A USB Type C		Frequency	860MHz - 960MHz
Network Characteristics	WLAN	IEEE 802.11 ac /a/b/g/n		Reading Range	0M - 35M (Depending on Tag & Environment)
	Bluetooth	Bluetooth V4.2+EDR		Reading Speed	160 tags/ Sec. (Unique ID), 900 tags / Sec. (Repeat ID)
	USB	USB to Mobile device		RF output	1W 5dBm-30dBm (step 1dB Adjustable by software)
	Serial	Serial to Mobile device		Protocol	Gen2, ISO/IEC 18000-6C
Data Capture Device	Barcode Engine	SE-4710 2D Imager Barcode Scanner from Zebra - Optional for a711f, a711p version	Special function	Anti-Collision	
Accessories Cradle	USB Client	<ul style="list-style-type: none"> • Supports industry-standard AMBA High-Performance Bus • Support HighSpeed(HS,480Mbps), Full-Speed(FS,12Mbps) 	<ul style="list-style-type: none"> • Complies with Enhanced Host Controller Interface(EHCI) 		
	UART	<ul style="list-style-type: none"> • 64-Bytes Transmit and receive data FIFOs • DMA Controller interface 	<ul style="list-style-type: none"> • Compliant with industry-standard 16550 UART • Support 5V TTL Level with 3.3V&5V 		
	Battery Charger	<ul style="list-style-type: none"> • Input Overvoltage Protection • Precharge Conditioning With Safety Timer 	<ul style="list-style-type: none"> • Automatic Sleep Mode for Low Power Consumption • Integrated Power FET and Current Sensor for up to 1-A Charge / Applications 		
	Leather case	Yes (optional)			

APPLICATION EXAMPLE

Logistics management	Retail management
Factory management	Asset management