RFID AsReader®

Turn Your iPhone®/ iPod touch® into an RFID reader/writer

Made for
iPod iPhone

The RFID AsReader is a UHF band RFID reader/writer which connects directly to iPhone®/iPod touch® devices. When connected with the iPhone®/iPod touch®, the RFID AsReader is a world-class thin and compact RFID reader/writer. Small enough to fit into a shirt pocket, the RFID AsReader complies with the IP52-compliant 1.5m drop resistance standard, and thus functions like a protective case for very easy and versati- handling.

The compact RFID AsReader can read multiple IC tags from a 1 meter distance, and can also write information on the tags, thus making it very suitable for process management, inventory control, tracking and other applications. Since installation is simple, the RFID AsReader can be connected to the iPhone® only when necessary and can be used conve- niently in various operating environments.

Handy

Lightning

Charging

Compact

Simple and Convenient The RFID AsReader uses Apple® certified Lightning connector to connect to the iPhone® and iPod touch®, thus communications are highly reliable, and connectivity is very simple. Once the application has been installed, the AsReader can be used by just attaching the iPhone® without any concerns about pairing.

In addition, because the RFID AsReader uses a charging system that can be attached with a magnet, installation and charging can be performed very simply. Due to the one-touch installation design, damage to the terminals is avoided, and charging can be performed at a speed that does not vary from the charging speed via the Lightning standard connection. In addition to thone-touch style cable (standard) the charger is also available

Scalability The RFID AsReader can be used while retaining full access to the iOS and iPhone® functions. For example, even in a remote location where WiFi network access is not available, theiPhone 3G or LTE networks can be used, thus enabling the scanned data to be transmitted to a database. Further, by down- loading applications released by Asterisk and 3rd party compa- nies from the Apple® App Store, and utilizing our free SDK, you can develop native applications which will enable you to utilize the RFID AsReader as a handheld terminal that augments your company's systems.

RFID AsReader Product Data Sheet

Model Name		ASX-301R
RFID	Spec	ISO 18000-63 (Formerly known as: ISO 18000-6 Type C) / EPC Class1 Gen2
	Bandwidth	917.10MHz ~ 926.90MHz
	Output power	200mW（23dBm)
	Reading distance	0〜1m（※1)
	Polarization characteristics	Circularly Polarized Antenna
	Function	Read / Write / Lock / Kill
Battery	Battery Capacity	Built-in rechargeable lithium-ion battery 700mAh
	Continuous operation time	7 hours or more (※2)
	Power Source	Magconn（※3)、AC adapter
	Charging time	About 2 hours (Built-in battery)（※4)
Key input		2 trigger key
Communication	Interface	MFi on Lightning (※5)
Appearance	Dimensions (H)x(W)x(D)	141.9 x 64.4 x 17.8mm (5.59" x 2.54" x 0.70") *excluding protrusions
	Weight(with Battery)	About 95g
	Material	PC/TPU
	Casing color	White/Black
	LED	Non-blinking Blue LED: Connected with device（※6)/Blinking Blue LED: Reading RFID tagNon-blinking/Red LED: Battery is charging Faint Red LED: Battery is fully charged
Environment	Operation environment	-10〜45 °C、20〜85 % RH（Charge 0 °C or more, however)
	Storage environment	-20〜60 °C、10〜95 % RH
	IP Rating	IP52 compliance
	Anti-drop	(Six-sided * 4 edge, once each) 1.5m (※7)
Certificate		TELEC (RFID) / PSE (body, AC adapter) / Apple MFi / FCC / CE (planned) / NBTC（Applying)
Requirments	Devices	iPhone5S / iPhone5 / iPod touch Gen5（※8)
	OS	iOS7.1.1（※9)
Bundled items		Magconn cable/AC adapter/Earphone extension cable/iPod touch sheet Manual/Installation instructions

※1 It may depend on the type of IC tag and the operating circumstance
※2 4.5h/25000 times continuous reading on iPhone's default brightness setting. AsReader battery will still remain about 50%.
※3 Standard iPhone 1A charger is strongly recommended to be used when using Magconn cable.
※4 iPhone and AsReader battery will be recharged simultaneously. iPhone and AsReader battery will be recharged in 3.5h and 2h respectively in simultaneous recharging mode.
※5 SDK is available for download.   ※6 Blue LED will turn on after iPhone/iPod is connected. LED will turn off after the first tag reading.
※7 iPhone screen may be broken depends on the drop angle.   ※8 A special sheet is needed to mount iPod touch.
※9 Please confirm the latest information on our website.
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