RFID AsReader®

SMART PHONE MEETS SMARTER READER

Turn your iPhone®, iPad®, and iPod touch®
into a UHF band RFID reader/writer.
The slim design and convenient
battery charging system
enable easy handling
and operation.

Made for iPhone   Made for iPod   FC CE

Retail/POS	Manufacturing/Logistics	Healthcare
Departments stores and pop-up-shops love mobility	Used in logistics by major automotive companies and more	Patient Management and Asset Tracking

- AsReader® is the #1 sled/dock device in Japan with 70% market share.
- Shirt-Pocket-sized. Thin and compact, yet technically advanced and powerful.
- Elegant, modern, revolutionary, stylish, and innovative design with rugged IP54 rating.
- Convenient magnetic charging: Removes need for plugging in breakable cables.
- Reliable Lightning Connector connection: No more tedious Bluetooth pairing or dropped data.
- Many free Apps in the Apple® App Store® and the hardware SDK is completely royalty-free.
- Works well with BYOD too: modular design allows use of one sled with multiple iOS devices.
- Modular design means ONE sled can work with all these iOS devices by simply changing the case size:

    iPhone® 8Plus / 7Plus / 6sPlus / 6Plus, iPhone® 8 / 7 / 6s / 6, iPhone® SE / 5s / 5

    iPad Air®2 / iPad Pro™ 9.7, iPad mini™ 3 / 2 / 1

    iPod touch® 6th / 5th Generation

JAN 2018

RFID AsReader Product Data Sheet

Model Number		ASR-030D	ASR-031D
RFID	Bandwidth	**917.10～926.90 MHz** (North/Ctrl/South Americas)	**865.70～867.50 MHz** (EU)
	Spec	RAIN RFID, UHF, **ISO/IEC 18000-63** (Previously known as ISO/IEC 18000-6 Type-C, EPCglobal Class 1 Gen2)	
	Output power	18dBm～25dBm (63mW～316mW)	
	Reading distance	～1 meter（～3.3 feet)（※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)	
	Charging time	About 2 hours (Built-in battery)（※4)	
Key input		2 trigger keys: left, right, or simultaneous	
Communication	Interface	MFi on Lightning (※5)	
Appearance	Dimensions WxDxH	2.51" x 0.38" x 4.61"（63.7 x 9.7 x 117.2mm）	
	Weight(with Battery)	About 80g (2.8 oz)	
	Material	PC Polycarbonate Plastic (Non-porous)	
	Dock color	White	
	LED	Solid Blue LED: Connected with device Blinking Blue LED: Reading RFID tag(s) Solid Red LED: Battery is charging Faint Red LED: Battery is fully charged	
Environment	Operation environment	-10～45 ˚C (14～113 ˚F), 20~85% RH (Charge at 0 ˚C (32 ˚F) or higher)	
	Storage environment	-20～60 ˚C (-4～140˚F), 10～95% RH	
	IP Rating	IP54 compliance	
	Anti-drop tested	All 6-sides and all 4-corners, once each, from 1.5m (5 ft) (※6)	
Certifications		Apple MFi / FCC / RoHS / ANATEL (Applying)	Apple MFi / CE / RoHS
Requirments	Devices	**iPhone®** 8Plus/7Plus/6sPlus, 8/7/6s/6, SE/5s/5, **iPod touch®** 6/5(※7), **iPad® mini** 3/2/1 and **iPad®** Air2/Pro9.7	
	OS	iOS8.1.1 and higher including iOS 11.2.1（※8)	
Bundled items		Magconn USB Charing Cable, Installation instructions manual	

※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 iPhone screen may be broken depends on the drop angle.
※7 A provided "spacer sheet" is required to mount an iPod touch in an iPhone 5/5s/SE case.
※8 Please confirm the latest information on our website.
iPhone® and iPod touch® are registered trademarks of Apple® Inc. All other trademarks are property of their respective owners.

Made for iPhone
Made for iPod

SMART PHONE MEETS
SMART READER

Contact us for more information:
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Use your iPhone®, iPad® & iPod touch® As a Reader.

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