AsReader®

ASR-03xD

ASR-030D / ASR-031D of AsReader series is the modular type RFID reader/writer for iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPhone 5, iPhone 5s, iPhone SE and iPod touch 5 and 6 gen. It is either around 860 or 920MHz UHF band RFID reader/writer and has FCC and CE certification for each model.

Model Name		ASR-03xD
RFID	Spec	ISO 18000-6 Type C/EPC Class1 Gen2
	Bandwidth	ASR-030D: 902 - 928MHz | ASR-031D: 865.6 - 867.6MHz *Please contact us for your local standard.
	Output power	316mW（25dBm）
	Reading distance	About 1ｍ （*2）
	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. Approximately 40,000 scans. (*3)
	Power Source	Magconn cable (*4)
	Charging time	About 2 hours (Built-in battery)　（*5）
Key input		2 Trigger keys
Communication	Interface	MFi on Lightning (*6)
Appearance	Dimensions (W)x(D)x(H)	63.7×9.7×117.2mm
	Weight(with Battery)	About 75g
	Material	PC
	Casing color	White
	LED	Non-blinking Blue LED: Connected with device (*7). Blinking Blue LED: Reading RFID tag. Non-blinking Red LED: Battery is charging. Faint Red LED: Battery is fully charged
Environment	Operating environment	-10～45℃, 20～85 % RH（Charge at 0 ℃ or more)
	Storage environment	-20～60℃, 10～95 % RH
	IP Rating	IP52 compliance
	Anti-drop	(Six-sided * 4 edge, once each) 1.5m (*8)

Certificate		TELEC / Apple Mfi / FCC / CE
Requirments	Devices	iPhone 6/6 Plus/6S/6S Plus/5/5S/SE, iPod touch 5/6 gen, iPad mini 1/2/3/4, iPad Air 1/2 (*9)
	OS	iOS8.0 or later (except iOS9.2.x)
Bundled items		Magconn cable / Earphone extension cable /manual

*1 The radio frequency bandwidth can be modified between these levels using software.

*2 It may depend on the type of IC tags and operating circumstances.

*3 iPhone's battery will last about 4.5hrs/25,000 times continuous reading on iPhone's default brightness setting. At which point AsReader's battery will still have about 50% charge.

*4 Standard iPhone 1A charger is strongly recommended to be used when using Magconn cable.

*5 iPhone and AsReader batteries will charge simultaneously. iPhone and AsReader batteries will be recharged in 3.5 hrs and 2 hrs respectively in simultaneous recharging mode.

*6 SDK is available for free download.

*7 Blue LED will turn on after iPhone/iPod is connected. LED will turn off after the reading the first tag.

*8 iPhone screen could be broken, depending on the drop angle.

*9 It depends on the case, Please contact us the case availability.