AsReader®

ASX-301R

ASX-301R of AsReader series is the case type RFID reader/writer for iPhone 5, iPhone 5s, iPhone SE and iPod touch 5 and 6 gen. ASX-301R is 920MHz UHF band RFID reader/writer and has FCC certification. *please see ASR-031D for Europe, India, Middle-East and African countries.

Model Name		ASX-301R
RFID	Spec	ISO 18000-6 Type C/EPC Class1 Gen2
	Bandwidth	917.10MHz ~ 926.90MHz （*1）
	Output power	200mW （23dBm）
	Reading distance	0～1m （*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 50,000 scans. (*3)
	Power Source	Magconn cable (*4) DC Power cable
	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)	64.4×17.8×141.1
	Weight(with Battery)	About 95g
	Material	PC/TPU
	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 0 ℃ or more, however)
	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
Requirments	Devices	iPhone 5/5S/SE, iPod touch 5/6gen

	OS	iOS7.1.2～9.3.1 (except iOS9.2.x)
Bundled items		Magconn cable /Earphone extension cable /Installation instructions / manual /DC Power cable /iPod touch sheet(*9)

*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 A provided "iPod touch sheet" is required to mount iPod touch securely for ASX-30xR.