

# AsReader®

## ASR-03xD (UHF RFID)



Model Name		ASR-030D	ASR-031D
RFID	Spec	ISO 18000-63 (Formerly known as: ISO 18000-6 Type C) / EPC Class1 Gen2	
	Bandwidth	902~928MHz	865~868MHz
	Output power	20mW(13dBm) to 500mW(27dBm)	
	Reading distance	~3m(~118.11inch) (*1)	~2m(~78.74inch) (*1)
	Polarization characteristics	Circularly Polarized Antenna (internal)	
	Function	Read / Write / Lock / Kill	
Power source	Battery capacity	Built-in rechargeable lithium-ion battery (700mAh)	
	Continuous operation time	7 hours or more (*2)	
	Charging method	Magconn™ (*3)	
	Charging time	About 2 hours (built-in battery) (*4)	
Key input		2 trigger key	
Communication	Interface	MFi on Lightning® (*5)	
Appearance	Dimensions (W)x(D)x(H)	63.65 * 9.7 * 117.19 mm (2.51 * 0.38 * 4.61 inch) (*6)	
	Weight (with battery)	About 80g	
	Material	PC	
	Casing color	White	
	LED display	Blue LED: Connected with device / Blinking Blue LED: Reading Red LED: Battery is charging / Faint Red LED or LED is OFF: Battery is fully charged	
Environment	Operating temperature	-10~45 °C, 20~85 % RH (Charge 0 °C or more, however)	
	Storage temperature	-20~60 °C, 10~95% RH	
	IP Rating	IP54 compliance	
	Anti-drop	(Six-sided * 4 edge, once each) 1.5 m (59.06 inch) (*7)	
Certificate		Apple MFi / FCC / RoHS	Apple MFi / CE / RoHS
Bundled items		Magconn™ cable / Earphone extension cable / User manual	

\*1 Differs per IC tag type and operating circumstances.

\*2 4.5h/25,000 scans continuous reading on iPhone®'s default brightness setting. AsReader® battery will still remain about 50%. (Output power 24dBm)

\*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 A specialised SDK for communication via Lightning is available for download.

\*6 Excluding protrusions \*7 Depending on the drop angle, the iPhone® screen may break.

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