AsReader®

Scan Barcode and UHF RAIN RFID with iPhone®/iPad®

FC CE

Barcode — Compatible with 1D and 2D barcodes. Laser crosshairs help you scan the target barcode easily and correctly.

UHF RFID — UHF RFID supports RAIN RFID ISO/IEC 18000-6 Type-C / EPC Class 1 Gen2. ASR-0230D / 0231D support 902-928MHz or 865-868MHz respectively.
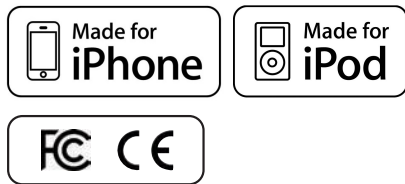
Magconn — Magconn is an innovative magnetic charging system. Connecting with a Magconn magnetic cable or dock can charge the AsReader and iOS device simultaneously.

Case — Hybrid case supports most iOS devices, from the iPhone® 5 to 7 Plus, iPod touch®, iPad® Air2, and more.

Model Name		ASR-0230D	ASR-0231D
RFID	Bandwidth	**917.10～926.90MHz** (North / Central / South Americas)	**865.7MHz ~ 867.5MHz** (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	
Barcode	Scan Engine	2D CMOS	
	Reading range	Barcode density / Distance from the scanner	
		100% U.P.C. 5 mil Code 39 10 mil Code 39 6.7 mil PDF417 10 mil Data Matrix	46 mm – 419 mm (1.8″ ~ 16.5″) 64 mm - 163 mm 28 mm – 338 mm 46 mm - 185 mm 53 mm – 203 mm
	Reading width	42.4° (horizontal), 33° (vertical)	
	Reading angle	Pitch: ±45° Roll: 360° Skew motion: ±60° *2	
	Readable code	■1D: UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Code 2 of 5, Matrix 2 of 5, MSI, Telepen, Trioptic, China Post ■2D Stacked: PDF417, MicroPDF417, GS1 Composite ■2D Matrix: Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Code ■Postal: Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code ■OCR Option: OCR-A, OCR-B, E13B (MICR)	
	light sources	illumination: White LED, Aiming: Red Laser (Class 2)	
Power source	Battery Capacity	Rechargeable lithium-ion battery 1100mAh	
	Continuous operation time	RFID 30,000 times Barcode 40,000 times *3	
	Power Source	Magconn *4, MicroUSB	
	Charging time	About 3.5 hours (Built-in battery only)	
Key input		2 triggers and 1 function button (reset, switch Barcode/RFID)	
Communication	Interface	MFi on Lightning Connector *5	
Appearance	Dimensions (W)x(D)x(H)	64.0 × 16.8 × 117.3 mm *6	
	Weight(with Battery)	109g (3.8oz)	
	Material	PC Polycarbonite Plastic (Non-porous)	
	Casing color	White	
	LED	Connected (Blue) Reading (Blue blinking) Charging (Red) Charge complete (Red blinking to no light)	
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	
		All 6-sides and all 4-corners, once each, from 1.5m (5 ft) *7	
Certificates		Apple MFi, TELEC, FCC, CE	
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 *8	
	OS	iOS 9.3 and higher, including iOS11.2.1 *9	
Bundled items		Magconn cable, Manual	

*1 This may depend on the tag.
*2 This may depend on the barcode type.
*3 The number of times is measured with beep and vibration.
*4 iPhone's standard 1 Amp AC Adapter is recommended.
*5 SDK is provided to connect via Lightning Connector.
*6 Excluding the diagonal protrusion
*7 iPhone screen could break, depending on the drop angle.
*8 Compatible case is required.
*9 Please confirm the latest information on our website.

aim MEMBER   **RAIN RFID** MEMBER

Made for **iPhone**   Made for **iPod**

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For more information:

web: http://www.asreader.com
email: sales@asreader.com

AsReader®

AsReader, Inc.
tel +1 (949) 438-7577
fax +1 (949) 438-7570
14451 Chambers Road
Suite 250
Tustin, CA 92780-6976 USA