



## ASR-020D

ASR-020D of AsReader series is the modular type barcode scanner for iPhone 6, iPhone 6 Plus, iPhone 6s, iPhone 6s Plus, iPhone 5, iPhone 5s, iPhone SE and iPod touch 5 and 6 gen. Major 1D and 2D barcodes, such as PDF417, QR Code, Aztec, RSS, Composite and postal barcode, including American and British ones, are supported.



Model Name		ASR-020D
Barcode	Scan Engine	2D CMOS
	Minimum Resolution	0.102mm~0.508mm (4mil~20mil)
	Reading distance	50~760mm(1.97"~29.92") (*1)
	Reading angle	Pitch:±60° Roll: 360° Skew motion:±60° (*1)
	Reading code	ID: JAN/UPC/EAN, CODE11, CODE39, CODE93, CODE128, ITF(INTERLEAVED 2of5), DISCRETE 2of5, CHINESE 2of5, MATRIX 2of5, CODABAR(NW-7), MSI, GS1 DATABAR OMNI-DIRECTIONAL, GS1DATABAR LIMITED, GS1DATABAR EXPENDED 2D: PDF417, MicroPDF417,

		Datamatrix, QR Code, Micro QR Code, Aztec, RSS, Composite, TLC-39, MaxiCode/Postal: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX)
	Light sources	RED LED
Battery	Battery Capacity	Built-in rechargeable lithium-ion battery 700mAh
	Continuous operation time	20,000 times (*2)
	Power Source	Magconn cable、DC Power cable (*3)
	Charging time	About 2 hours (Built-in battery) (*4)
Key input		2 trigger key
Communication	Interface	MFi on Lightning (*5)
Appearance	Dimensions(W)×(D)×(H)	63.7×9.7×117.2mm
	Weight(with Battery)	About 70g
	Material	PC
	Case color	White
	LED	Non-blinking Blue LED: Connected with device (*6). Blinking Blue LED: Reading Barcode. Non-blinking Red LED: Battery is charging. Faint Red LED: Battery is fully charged
Environment	Operating environment	-10~45°C, 20~85 % RH (Charge at 0 °C or more)
	Storage environment	-20~60°C, 10~95%RH

	IP Rating	IP52 compliance
	Anti-drop	(Six-sided * 4 edge, once each) 1.5m (*7)
Certificate		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 (*8)
	OS	iOS8.0 or later (except iOS9.2.x)
Bundled items		Magconn cable / Earphone extension cable / Installation instructions /manual

\*1 May depend on barcode type.

\*2 Continuous operation time was tested with iPhone's default brightness setting.

\*3 Standard iPhone 1A charger is strongly recommended to be used when using Magconn cable.

\*4 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.

\*5 SDK is required and available for free download. Please contact us.

\*6 Blue LED will turn on after iPhone/iPod is connected. LED will turn off after the reading the first tag.

\*7 iPhone screen could be broken, depending on the drop angle.

\*8 It depends on the case, Please contact us the case availability.