AsReader（ASR-020D）Product Data Sheet

AsReader®

ASR-020D (2D Barcode Scanner)

Model Name		ASR-020D-V2
Barcode	Reading method	2D CMOS
	Readable range	■Barcode density ■Reading distance from tip of scanner CODE39 - 4mil : 9 ～ 22cm CODE128 - 5mil : 8 ～ 20cm CODE39 - 5mil : 6 ～ 34cm PDF417 - 5mil : 8 ～ 21cm ■Barcode density ■Reading distance from tip of scanner Data Matrix - 10mil : 8 ～ 25cm 100% UPCA : 5 ～ 65cm Code39 -20mil : 6 ～ 76cm
	Reading width	40° (horizontal), 26° (vertical)
	Reading angle	Pitch: ±60° Roll: 360° Skew: ±60° *1
	Readable barcodes	■1D:JAN, UPC/EAN, CODE11, CODE39, CODE93, CODE128, ITF(INTERLEAVED 2of5), DISCRETE 2of5, CHINESE 2of5, MATRIX 2of5, CODABAR (NW7), MSI, GS1 DATABAR OMNIDIRECTIONAL, 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 source	Red LED
Power source	Battery capacity	Built-in rechargeable lithium-ion battery (700mAh)
	Number of scans	Approx. 28,000 *2
	Charging method	Magnetic charging cable *3
	Charging time	Approx. 2 hours (built-in battery) *4
Key input		2 trigger key
Communication	Interface	MFi on Lightning(SDK or HID) *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)	Approx. 70g
	Material	PC
	Casing color	White
	LED display	Blue LED: Connected with device / Blinking Blue LED: Reading / Red LED: Battery is charging / Faint Red LED: Battery is fully charged
Environment	Operating temperature	-10～45 C, 20～85 % RH (Charge at 0 C or more, however)
	Storage temperature	-20～60 C, 10～95 % RH
	IP rating	IP54 compliant
	Anti-drop	(Six-sided × 4 edge, once each) 1.5 m (59.06 inch) *7
Certificate		Apple MFi / FCC / CE / RoHS
Bundled items		Magnetic charging cable / Earphone extension cable

*1 Varies depending on barcode type
*2 Number of times by using our demo app when the BEEP sound, vibration and illumination are all set to ON.
*3 Standard iPhone® 1A charger is recommended for the magnetic charging cable.
*4 iPhone® and AsReader battery will be recharged simultaneously.
*5 A specialised SDK for communication via Lightning is available for download. SDK is unnecessary when using AsReader in HID mode.
*6 Excluding protrusions.
*7 The iPhone® screen may break depending on the drop angle.

https://AsReader.com

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