AsReader (ASR-020D) Product Data Sheet



ASR-020D (2D Barcode Scanner)



CODE39 - 4mil: 9 ~ 22cm Data Matrix - 10mil: 8 ~ 25cm CODE128 - 5mil: 8 ~ 20cm 100% UPCA : 5 ~ 65cm CODE39 - 5mil: 6 ~ 34cm Code39 - 20mil : 6 ~ 76cm PDF417 - 5mil: 8 ~ 21cm Barcode 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 20f5), DISCRETE 20f5, CHINESE 20f5,	Model Name		ASR-020D
CODE39 - 4mil: 9 ~ 22cm		Reading method	2D CMOS
Reading angle Readable barcodes Reptable Cosponable Cos	Barcode	Readable range	CODE39 - 4mil: 9 ~ 22cm Data Matrix - 10mil: 8 ~ 25cm CODE128 - 5mil: 8 ~ 20cm 100% UPCA : 5 ~ 65cm CODE39 - 5mil: 6 ~ 34cm Code39 -20mil: 6 ~ 76cm
Readable barcodes Readable barcodes Readable barcodes Tib:Jan, UPC/EAN, CODE11, CODE39, CODE38, ITF(INTERLEAVED 2of5), DISCRETE 2of5, CHINESE 2of5, MATRIX 2of5, CODABAR(NW7), MSI, GSI DATABAR OMNDIRECTIONAL, GSIDATABAR LIMITED, GSIDATABAR EXPENDED Tib: 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		Reading width	40° (horizontal), 26° (vertical)
MATRIX 2of5, CODABAR (NW7), MSI, GS1 DATABAR OMNIDIRECTIONAL, GS1DATABAR LIMITED, GS1DATABAR EXPENDED 2D: PDF417, MicroPDF417, Datamatrix, QR Code, Micro QR Code, Aztec, RS5, Composite, TLC-39, MaxiCode Postal: US PostNet, US Planet, UK Postal, Australian Postal, Japan Postal, Dutch Postal (KIX) Light source Battery capacity Built-in rechargeable lithium-ion battery (700mAh) Number of scans Charging method Charging time Approx. 2 hours (built-in battery) *4 Key input Communication Interface MFi on Lightning(SDK or HID) *5 Dimensions (W)x(D)x(H) Weight (with battery) Approx. 70g Material PC Casing color LED display Blue LED: Connected with device / Blinking Blue LED: Reading / Red LED: Battery is charging / Faint Red LED: Battery is fully charged Operating temperature Fnvironment Fnvironment MATRIX 2of5, CODABAR (NW7), MSI, GS1 DATABAR LIMITED, GS1DATABAR LIMITED, Approx. 29, Maxicode Postal LED. May LED de LED: Approx. 29, Maxicode Postal LED: Approx. 29, Max		Reading angle	Pitch: ±60° Roll: 360° Skew: ±60° *1
Battery capacity Power source Battery capacity Number of scans Charging method Charging time Approx. 2 hours (built-in battery) *4 Key input Communication Interface Dimensions (W)x(D)x(H) Appearance Approx. 2 hours (built-in battery) *5 Dimensions (W)x(D)x(H) Approx. 70g Approx. 70g Approx. 70g Material PC Casing color LED display Blue LED: Connected with device / Blinking Blue LED: Reading / Red LED: Battery is charging / Faint Red LED: Battery is fully charged Operating temperature -10~45 C, 20~85 % RH (Charge at 0 C or more, however) Storage temperature -20~60 C, 10~95 % RH		Readable barcodes	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
Power source Number of scans Approx. 28,000 *2		Light source	Red LED
Power source Charging method Charging time Approx. 2 hours (built-in battery) *4 Key input Communication Interface Dimensions (W)x(D)x(H) Approx. 70g Appearance Approx. 70g Appearance Casing color LED display Appearance Dimensions (W)x(D)x(H) Appearance Appearanc		Battery capacity	Built-in rechargeable lithium-ion battery (700mAh)
Charging method Charging time Approx. 2 hours (built-in battery) *4 Key input Communication Interface Dimensions (W)x(D)x(H) Appearance Appear	Power source	Number of scans	Approx. 28,000 *2
Key input Communication Interface Dimensions (W)x(D)x(H) Approx. 70g Material Casing color LED display Dimensions (W)x(D)x(H) Approx. 70g Material Casing color Blue LED: Connected with device / Blinking Blue LED: Reading / Red LED: Battery is charging / Faint Red LED: Battery is fully charged Operating temperature Storage temperature Storage temperature -20~60 C, 10~95 % RH	rower source	Charging method	Magnetic charging cable *3
Communication Interface MFi on Lightning(SDK or HID) *5 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 Operating temperature -10~45 C, 20~85 % RH (Charge at 0 C or more, however) Storage temperature -20~60 C, 10~95 % RH		Charging time	Approx. 2 hours (built-in battery) *4
Dimensions (W)x(D)x(H) Appearance Appearance Casing color LED display Operating temperature Environment Dimensions (W)x(D)x(H) 63.65 × 9.7 × 117.19 mm (2.51 × 0.38 × 4.61 inch) *6 Approx. 70g Material PC Casing color White Blue LED: Connected with device / Blinking Blue LED: Reading / Red LED: Battery is charging / Faint Red LED: Battery is fully charged Operating temperature -10~45 C, 20~85 % RH (Charge at 0 C or more, however) Storage temperature -20~60 C, 10~95 % RH	Key input		2 trigger key
Weight (with battery) Approx. 70g Material PC Casing color Blue LED: Connected with device / Blinking Blue LED: Reading / Red LED: Battery is charging / Faint Red LED: Battery is fully charged Operating temperature Operating temperature -10~45 C, 20~85 % RH (Charge at 0 C or more, however) Storage temperature -20~60 C, 10~95 % RH	Communication	Interface	MFi on Lightning(SDK or HID) *5
Appearance Material Casing color Blue LED: Connected with device / Blinking Blue LED: Reading / Red LED: Battery is charging / Faint Red LED: Battery is fully charged Operating temperature Operating temperature -10~45 C, 20~85 % RH (Charge at 0 C or more, however) Storage temperature -20~60 C, 10~95 % RH	Appearance	Dimensions (W)x(D)x(H)	$63.65 \times 9.7 \times 117.19 \text{mm} (2.51 \times 0.38 \times 4.61 \text{inch}) *6$
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 Operating temperature -10~45 C, 20~85 % RH (Charge at 0 C or more, however) Storage temperature -20~60 C, 10~95 % RH		Weight (with battery)	Approx. 70g
Blue LED: Connected with device / Blinking Blue LED: Reading / Red LED: Battery is charging / Faint Red LED: Battery is fully charged Operating temperature -10~45 C, 20~85 % RH (Charge at 0 C or more, however) Storage temperature -20~60 C, 10~95 % RH		Material	PC
Red LED: Battery is charging / Faint Red LED: Battery is fully charged Operating temperature Operating temperature -10~45 C, 20~85 % RH (Charge at 0 C or more, however) Storage temperature -20~60 C, 10~95 % RH		Casing color	White
Environment Storage temperature -20~60 C, 10~95 % RH		LED display	
Environment	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 \times 4 edge, once each) 1.5 m (59.06 inch) *7		Anti-drop	(Six-sided × 4 edge, once each) 1.5 m (59.06 inch) *7
Certificate Apple MFi / FCC / CE / RoHS	Certificate		Apple MFi / FCC / CE / RoHS
Bundled items Magnetic charging cable	Bundled items		Magnetic charging cable

https://AsReader.com

^{*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.