



ASR-023xD (Barcode and UHF RFID)



Model Name		ASR-023xD												
RFID	Spec	ISO 18000-63 (Formerly known as 18000-6C) / EPCglobal Class 1 Gen 2												
	Bandwidth	902~928 MHz or 865.70~867.50 MHz												
	Output power	316mW (25dBm)												
	Reading distance	0~1m (0~3.94 inch) (*1)												
	Polarization characteristics	Circularly Polarized Antenna (internal)												
	Functions	Read / Write / Lock / Kill												
Barcode	Reading method	CMOS Sensor												
	Readable range	<table border="0"> <tr> <td>■ Barcode density 100% U.P.C.</td> <td>■ Reading distance from tip of scanner : 46 mm – 419 mm</td> <td>■ Barcode density PDF417</td> <td>■ Reading distance from tip of scanner - 6.7 mil : 46 mm – 185 mm</td> </tr> <tr> <td>CODE 39 - 5 mil :</td> <td>64 mm – 163 mm</td> <td>Data Matrix - 10 mil :</td> <td>53 mm – 203 mm</td> </tr> <tr> <td>CODE 39 - 10 mil :</td> <td>28 mm – 338 mm</td> <td></td> <td></td> </tr> </table>	■ Barcode density 100% U.P.C.	■ Reading distance from tip of scanner : 46 mm – 419 mm	■ Barcode density PDF417	■ Reading distance from tip of scanner - 6.7 mil : 46 mm – 185 mm	CODE 39 - 5 mil :	64 mm – 163 mm	Data Matrix - 10 mil :	53 mm – 203 mm	CODE 39 - 10 mil :	28 mm – 338 mm		
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	Reading width	42.4° (horizontal), 33° (vertical)												
Reading angle	Pitch: ±45° Roll: 360° Skew: ±60° (*2)													
Readable barcodes	<table border="0"> <tr> <td>■ 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</td> </tr> <tr> <td>■ 2D Stacked: PDF417, MicroPDF417, GS1 Composite</td> </tr> <tr> <td>■ 2D Matrix: Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Code</td> </tr> <tr> <td>■ Postal: Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code</td> </tr> <tr> <td>■ OCR Option: OCR-A, OCR-B, E13B (MICR)</td> </tr> </table>	■ 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)								
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Light source	Illumination: White LED. Aiming: Red Laser Light (Class 2)													
Power source	Battery capacity	Built-in rechargeable lithium-ion battery (1100mAh)												
	Number of scans	RFID about 34,000, Barcode about 40,000 (*3)												
	Charging method	Magconn™ (*4) and MicroUSB												
	Charging time	About 3.5 hours (built-in battery)												
Key input	2 trigger key, 1 function button (reset, barcode/RFID switch)													
Communication	Interface	MFi on Lightning® (*5)												
Appearance	Dimensions (L)x(W)x(H)	64.0 * 16.8 * 117.3 mm (2.52 * 0.66 * 4.62 inch) (*6)												
	Weight (with battery)	109g												
	Materials	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 at 0 C or more, however)												
	Storage temperature	-20~60 °C, 10~95 % RH												
	IP Rating	IP52 compliant												
	Anti-drop	(Six-sided * 4 edge, once each) 1.5m (5.91 inch) (*7)												
Certificates	Apple MFi / FCC / CE / RoHS													
Bundled items	Magconn™ cable / Earphone extension cable / User manual													

*1 Differs per IC tag type and operating circumstances. *2 Differs per barcode type. *3 Number of times when the BEEP sound and vibration are set to ON.
 *4 Standard iPhone 1A charger is strongly recommend to be used when using Magconn™ cable. *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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