

# AsReader (ASR-R250G-xxC) Product Datasheet



## ASR-R250G-xxC (Barcode and UHF RFID)



Model Name		ASR-R250G-22/23C	ASR-R250G-02/03C	
RFID	Spec	ISO 18000-63 (Formerly known as: ISO 18000-6 Type C) / EPC Class1 Gen2		
	Bandwidth	902 - 928Mhz / 865 - 868Mhz		
	Output power	1W (30dBm) 5dBm~30dBm: adjustable per 1dBm		
	Reading distance	0 to 9.8 ft. (0 to 3m) or more *1		
	Polarization characteristics	Circular		
Function		Read / Write / Lock / Kill		
Barcode	Scan Engine	CMOS Sensor	—	
	Reading range	Barcode density	Distance from scanner	—
		100% U.P.C.	46 - 419 mm (1.8 - 16.5")	—
		5 mil Code 39	64 - 163 mm (2.5 - 6.5")	—
		10 mil Code 39	28 - 338 mm (1.1 - 13.3")	—
		6.7 mil PDF417	46 - 185 mm (1.8 - 7.3")	—
10 mil Data Matrix	53 - 203 mm (2.1 - 8.0")	—		
Reading width	42.4° (horizontal), 33° (vertical)		—	
Reading angle	Pitch: ±45° Roll: 360° Skew motion: ±60° *2		—	
Reading code	<ul style="list-style-type: none"> <li>• 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</li> <li>• 2D Stacked: PDF417, MicroPDF417, GS1 Composite</li> <li>• 2D Matrix: Aztec Code, Data Matrix, QR Code, Micro QR Code, MaxiCode, Han Xin Code</li> <li>• Postal: Intelligent Mail Barcode, Postal-4i, Australian Post, British Post, Canadian Post, Japanese Post, Netherlands (KIX) Post, Postnet, Planet Code</li> <li>• OCR Option: OCR-A, OCR-B, E13B (MICR)</li> </ul>		—	
Light sources	Illumination: White LED, Aiming: Red Laser (Class 2)		—	
Power Source	Battery Capacity	Rechargeable lithium-ion battery 2600mAh		
	Continuous operation time	<ul style="list-style-type: none"> <li>• Barcode</li> <li>Every 10 sec: about 17 hours (about 6,000 times)</li> <li>Every 5 sec: about 13 hours (about 9,000 times)</li> </ul>	<ul style="list-style-type: none"> <li>• RFID</li> <li>5 Sec Reading 30 Sec Waiting: about 9 hours (about 900 times)</li> <li>10 Sec Reading 30 Sec Waiting: about 5 hours (about 400 times)</li> </ul>	
	Power Source	Magconn™ *3, MicroUSB		
	Charging time	About 4 hours (Built-in battery) *4		
Key input		Trigger, Mode, Power, Reset		
Communication	Interface	USB		
	Dimensions (W) x (D) x (H)	129.7 * 76.8 * 150.9 mm (5.11 * 3.02 * 5.94 inch)		
Appearance	Weight (with Battery)	334g	327.5g	
	Material	PC		
	Casing color	White/Gray		
	LED	Blue LED: Switch ON / Blinking Blue LED: Reading / Red LED: Battery is charging / Faint Red LED or LED is OFF: Battery is fully charged		
Environment	Operating environment	32° ~ 95°F (0° ~ 35°C)		
	Charge environment	32° ~ 113°F (0° ~ 45°C)		
	Storage environment	-4° ~ 140°F (-20° ~ 60°C)		
	IP Rating	IP54 compliance		
Anti-drop		(All 6-sides, twice each) 4 ft. (1.5m) *5		
Certificates		TELEC / FCC / CE / PSE (battery)		
Bundled items		microUSB cable / User manual		

\*1 Differs per IC tag type and operating circumstances. \*2 Differs per barcode type. \*3 An AC adapter with an output of 5V 3A is strongly recommended for the Magconn™ cable.  
 \*4 The battery in the reader is charged first and then the connected smart device is charged next. \*5 Reader only. Not including smartphone.  
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<https://AsReader.com>