



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"> • 1D: UPC/EAN/JAN, GS1 DataBar, Code 39, Code 128, Code 32, Code 93, Codabar/NW7, Interleaved 2 of 5, Code 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) | | — | |
| 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"> • Barcode Every 10 sec: about 17 hours (about 6,000 times) Every 5 sec: about 13 hours (about 9,000 times) | <ul style="list-style-type: none"> • RFID 5 Sec Reading 30 Sec Waiting: about 9 hours (about 900 times) 10 Sec Reading 30 Sec Waiting: about 5 hours (about 400 times) | |
| | Power Source | Magconn™ *3 , MicroUSB | | |
| | Charging time | About 4 hours (Built-in battery) *4 | | |
| Key input | | Trigger, Mode, Power, Reset | | |
| Communication | Interface | USB | | |
| Appearance | Dimensions (W) x (D) x (H) | 129.7 * 76.8 * 150.9 mm (5.11 * 3.02 * 5.94 inch) | | |
| | 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 2A 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>