

UHF | RAIN - Stationary Reader CT - URIIA

- RAIN RFID (UHF EPC Class1 Gen2, ISO 18000-63) compliant
- Up to 26 dBm output power
- RS232 / RS485 / RJ45 / optional PoE
- Up to 5 m reading range
- IP67 enclosure



UHF | RAIN - Stationary Reader Built for Automation

CRAFT TECHNOLOGIES URIIA UHF | RAIN Reader delivers reliable and efficient RFID performance for industrial and commercial applications. With its integrated 5 dBi ceramic antenna, adjustable RF power and versatile communication options, it ensures stable and long-range tag detection of up to 5 meters.

Its rugged IP67 housing makes it ideal for demanding environments, while protocol flexibility (Modbus and optional Profinet) supports seamless system integration. Designed for scalability and durability, the URIIA is the perfect choice for automation, logistics, and access control solutions.

Common Applications

- Warehouse and asset tracking
- Industrial Automation
- Access Management
- Point of Sale
- Gate / Portal Applications



TECHNICAL SPECIFICATIONS

RFID Technical Parameters

Operating Frequency	865~868MHz (EU) 902~928MHz (US)
Supported Standards	ISO18000-6C (EPC GEN2)
RF output power	0dbm—26dbm(Adjustable)
Built-in antenna	5dbi linear polarized ceramic antenna
Reading distance	Nominal 5m; dependent on tag selected
Writing distance	Nominal 1m; dependent on tag selected
Receiving Sensitivity	Max return loss: 10dbm
RSSI	Supported
Operating mode	Active mode/command mode/trigger mode

Data Communication

Communication Interface	RS232/RS485/RJ45/POE (Optional)
Protocol	Modbus/ Profinet (customized)
Communication rate	Serial port rate 9600~115200 bps
GPIO interface	Network port rate 10/100Mbps
Interface Type	1 set of GPI, supports customized GPO
Working status display	Round waterproof M12 female pin
Operating Voltage	DC 9~24V

Physical Parameters

Material	Fireproof ABS
Size	115*95*35 mm
Weight	450g
Package Size	24*17*13cm
Package weight	1.1kg

Drivers & Support

SDK	Demo software, API, examples, user manual
Development language	VB, Python, Java, Delphi, c#
Firmware version	Support for online upgrades

Working Environment

IP protection level	IEC IP67
Operating temperature	-20 C ~ 65 C
Storage temperature	-40 C~ 85 C
Humidity	5%-95%, non-condensing

Part No. / Model

TBA	URIIA
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