



EPR TDI MID RANGE READER - UHF

RFID PROFESSIONAL READER READER UHF WITH INTEGRATED ANTENNA

The EPROJETECH Professional RFID System is for professional users, offering a perfect solution for all applications where reliable, robust and well-performing products are needed.

The Controller UHF Mid-Range with integrated antenna is able to read and write ISO18000-6 C Tags including EPC Gen2 and works at the UHF 868 MHz frequency. The reading distance is up to 3 meters (depending on type of antenna and tag) with SW adjustable RF power of up to 27 dBm. All Controllers have robust CE approved IP65 housings and come with full SDK and comprehensive application SW. All Controllers are based on identical communication protocol which makes programming simple and design-in much faster.

General Features:

- Supports ISO 18000-6 C (incl. C1G2)
- Integrated circular polarized antenna
- Frequency band 865 to 870 MHz
- RF Operating distance up to 300 cm
- Max. RF power 27 dBm (SW adjustable)
- RS232/RS485, Ethernet or Profibus interface
- Multi-colour LED indicators to monitor status
- 2 digital output (relay)
- 2 digital input with optical insulation
- Easy firmware upgrade and configuration
- CE approved
- IP65 enclosure
- Demo software & PC library for Windows programs

Applications:

- Industrial
- Production Control
- Access Control



CODE: EPRTDIMRAI01-UHF-XXX

RFID SOLUTION



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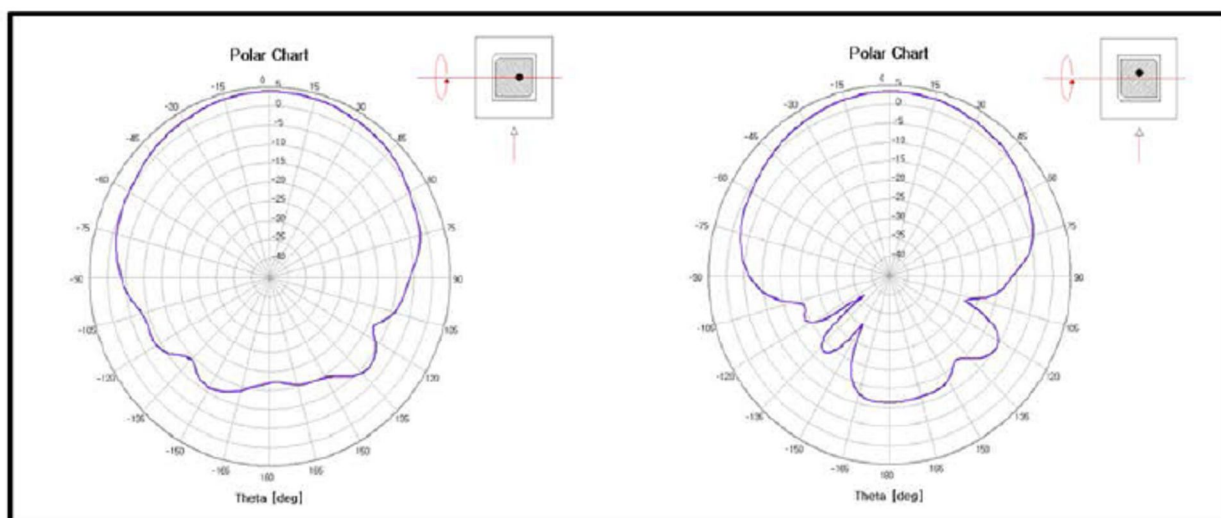
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Technical Specifications:

Dimensions:	120 × 120 × 55 mm
Protection Class:	IP65
Approval:	CE
Signals:	3 LEDs & Buzzer
Available Interfaces:	RS232/RS485, Ethernet, Profibus
Digital Inputs:	2 opto-insulated inputs (12-24 VDC max. 20 mA)
Digital Outputs:	2 relay outputs (max. 1 A at 30 VDC, max. 0.5 A at 125 VAC)
Antenna Port:	1 integrated circular antenna
Supported Transponders:	ISO18000-6 C (incl. C1 G2)
Operating Frequency:	865 to 870 MHz (ETSI Standard)
Impedance:	50 Ohms
Antenna Gain:	4 dBic (min)
Max. RF Power:	+27 dBm (software adjustable)
Operating Distance :	Up to 300 cm, depending on tag and reader antenna
Power Supply:	10 – 27 VDC
Temperature Range:	-10 °C to +65 °C
Power Consumption max.:	150 mA (RS232/RS485) 400 mA (Ethernet) 280 mA (Profibus)

2D radiation pattern:



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