



UHF Industrial Reader Advant MR IA

Applications

- Industrial Automation
- Supply Chain
- Asset Tracking
- Waste Management
- Access Control

Features

- ISO18000-6B (optional)
- Up to +27 dBm (Software adjustable)
- Integrated Antenna
- Solutions for Near Field, Short- & Mid-Range applications
- Possibility of using different RFID Standards parallel in one Application
- Several Working Modes
- Integrated I/O Ports
- Diagnostic Mode via USB
- Multiple Interface Options
- Common SDK for all BLUEBOX Products
- CE & FCC approved

RFID Options

- UHF (EPC C1G2 / ISO18000-6C)

Description

BLUEBOX UHF Industrial Reader Advant MR IA with Integrated Antenna can achieve a reading distance of up to three meters with SW adjustable RF power of up to +30 dBm. The Advant MR reader with integrated antenna is the perfect device for applications with limited space for installations and the demand for good reading-ranges.

The combination of a modern RF module and an up-to-date control-engine enables both fast data processing and high reading rates in one device. The powerful BLUEBOX SDK allows the fast development of extensive applications.

The reader and writer supports 840-960 MHz (ETSI).

Technical Data

Electrical Specifications	
Power Supply	24 VDC \pm 10 %
Power Consumption	3.5 W
Operating Frequency	840 – 960 MHz (ETSI)
Output Power	+30 dBm (SW adjustable)
Operating Distance	up to 3 m
Connectors	M12 (Power & Interface)
Antenna Connector	Internal Antenna
Digital I/O	2 (opto-isolated)
Interface options	RS232/485, Ethernet, Profibus, Profinet, Modbus (TCP)

Features	
Working Modes	Continuous Mode Spontaneous Mode
RSSI Info	Via Software Command
Status Display	4/8
Multi-Reader Env.	Dense Reader Mode
Temperature Sensor	On-board
Real – Time Clock	Accuracy > 0,01s
Service Interface	USB

Environmental Conditions	
Operating Temperature	-20°C to +55 °C
Humidity	5% to 95%

Supported Standards / Tags	
ISO18000-6C, EPC Class 1 Gen 2	

Applicable Standards	
EMC	EN 301 489-3
Radio Regulation	EN 302 208-2
Safety	CEI EN 60950-1 CEI EN 50364

SDK Information	
Supported OS	Windows 7, 8
Supported Languages	C#, C++, serial command protocol

*Reading distance depends on tag, antenna and environmental conditions

Order Codes

Version	Order Code
Ethernet	R-IN-UHF-5222U
RS232/RS485	R-IN-UHF-5221U
Profibus	R-IN-UHF-5223U
Modbus	R-IN-UHF-5222U-MB

iDTRONIC GmbH
Ludwig-Reichling-Straße 4
67059 Ludwigshafen
GERMANY

Phone +49 (0) 621 66 90 09 4-0
Fax +49 (0) 621 66 90 09 4-9
E-Mail: info@idtronic-rfid.com
Web: idtronic-rfid.com

For further information & prices, please contact info@idtronic-rfid.com

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