



HF Industrial Reader Advant MR 1CH

Applications

- Industrial Automation
- Asset Tracking
- Laundry Management
- Access Control

Features

- HF (ISO 15693, ISO 18000-3)
- Solutions for Near Field, Short- & Mid-Range applications
- Possibility of using different RFID Standards parallel in one Applications
- Read Modes: Buffered Read Mode, Scan Mode and Notification Mode
- Integrated I/O ports
- Diagnostic Mode via USB
- Multiple Interface Options
- Ruggedized Product Design and Enclosure
- Common SDK for all BLUEBOX Products
- BLUEBOX SHOW Applications Software

Description

The Industrial Reader Advant MR 1CH is a read/write device with one antenna port. This powerful RFID device can achieve a reading distance of up to 30 cm. Advant MR allows Near-Field, Short- and Mid-Range applications.

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

Technical Data

Mechanical Specifications

Housing-Material	Aluminium
Dimensions	110 x 140 x 60 mm
Weight	ca. 430 g
Protection Class	IP65

Electrical Specifications

Power Supply	24 VDC ±10 %
Power Consumption	5 W
Operating Frequency	13.56 MHz
Operating Distance	up to 30 cm
Memory Extension	Micro SD-Slot
Connectors	M12
Digital I/O	2 (opto-isolated)
Antenna Connector	1x TNC-Female
Interfaces (Standard)	Ethernet
Interfaces (Optional)	RS232/RS485, Profibus, Profinet, Modbus (TCP)

Features

Status Display	4/8 LEDs
Working Modes	Scan Mode, Notification Mode, Buffered Read Mode, Stand-alone Mode
Integrated Webserver	Remote Configuration & Standalone Mode
Temperature Sensor	On-board
Service Interface	USB
Radio Regulation	CE

Environmental Conditions

Operating Temperature	-20°C to +65 °C
Humidity	5% to 95%

Supported Standards / Tags

ISO 15693, ISO 18000-3

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
RS232/RS485	R-IN-HF-5231HM
Ethernet	R-IN-HF-5232HM
Profibus	R-IN-HF-5233HM
Modbus (TCP)	R-IN-HF-5232HM-MB

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