

HF Industrial Reader Cylindrical Reader M30



Applications

- Industrial Automation
- Supply Chain

Features

- HF (ISO 14443A/B, ISO 15693, NXP MIFARE)
- 13.56 MHz
- Internal Antenna
- Possibility of using different RFID Standards parallel in one Application
- Connection via RS232/RS485
- 1 Bicolor LED for Status Information
- Ruggedized Product Design and Enclosure

Description

The BLUEBOX HF – M30 Reader is a read/write device with integrated antenna that can be easily installed into M30 windings. This powerful device can achieve a reading distance of up to 8 cm. The Cylindrical Reader M30 is an easy to use HF RFID reader with RS232/485 interface. The up to date BLUEBOX SDK enables an easy start for ambitious developers.

Technical Data

Mechanical Specifications

Housing-Material	Stainless steel + PC
Dimensions	M30 × 1,5 x 78 mm
Weight	ca. 220 g
Protection Class	IP67

Electrical Specifications

Power Supply	24 VDC ±10 %
Operating Frequency	13.56 MHz
Operating Distance	up to 8 cm
Connectors	M12 or cable 1.5 m
Interfaces	RS232/RS485

Features

Working Modes	Continuous Mode, Spontaneous Mode
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Environmental Conditions

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

Supported Standards / Tags

ISO14443A/B, ISO15693, NXP MIFARE Family

Applicable Standards

EMC	EN 301 489-3
Radio Regulation	EN 300330-1:2015-08 (V1.8.1) EN 300330-2:2015-08 (V1.6.1)
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
M12 without cable - RS232	R-IN-HF-5224H
M12 without cable - RS485	R-IN-HF-5225H
Cable 1.5 m with open ends - RS232	R-IN-HF-5227H
Cable 1.5 m with open ends - RS485	R-IN-HF-5228H

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