



HF Industrial Reader Advant SR IA

Applications

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

Features

- HF (ISO 14443A/B, ISO 15693, NXP MIFARE)
- Integrated Antenna
- Possibility of using different RFID Standards parallel in one Application
- Read Modes: Buffered Read Mode, Scan Mode and Notification Mode
- Integrated I/O Ports
- Service Interface via USB
- Multiple Interface Options
- Ruggedized Product Design and Enclosure
- Common SDK for all BLUEBOX Products
- BLUEBOX SHOW Applications Software

Description

BLUEBOX Advant SR IA with Integrated Antenna can achieve a reading distance of up to 15 cm. This HF RFID reader 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 controller engine enables a fast data processing and high reading rates in one device. A powerful SDK allows for fast development of extensive applications.

Technical Data

Mechanical Specifications

Housing-Material	Aluminium + PC
Dimensions	110 x 140 x 60 mm
Weight	ca. 500 g
Protection Class	IP65

Electrical Specifications

Power Supply	24 VDC \pm 10 %
Power Consumption	3 W
Operating Frequency	13.56 MHz
Operating Distance	up to 15 cm
Memory Extension	Micro SD-Slot
Connectors	M12
Digital I/O	2 (opto-isolated)
Antenna Connector	2x Lumberg
Interfaces	RS232/RS485, Profibus, Profinet, Ethernet, Modbus (TCP)

Features

Status Display	4/8 LEDs
Working Modes	Continuous Mode, Spontaneous Mode
Integrated Webserver	Remote Configuration & Standalone Mode
Temperature Sensor	On-board
Service Interface	USB

Environmental Conditions

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

Supported Standards / Tags

ISO 14443A/B, ISO 15693, NXP MIFARE Family

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-5221H
Ethernet	R-IN-HF-5222H
Profibus	R-IN-HF-5223H
Modbus (TCP)	R-IN-HF-5222H-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

Subject to alteration without prior notice
©2020 iDTRONIC GmbH