BLUEBOX HF – Advant Controller with Integrated Antenna

iDTRONIC
PROFESSIONAL RFID

iDTRONIC's BLUEBOX Controller & Antenna family is well suited for industrial and enterprise applications, where reliable, robust and well performing products are needed. All components are designed as a powerful combination for an easy and cost efficient system installation.

The BLUEBOX HF – Advant Controller with integrated antenna can achieve a reading distance of up to 15 cm. This RFid HF 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. The powerful BLUEBOX SDK allows the fast development of extensive applications.

Applications

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

Features

- 13.56 MHz
- Supports ISO14443A/B, ISO15693, MIFARE Fam.
- Integrated antenna
- Possibility of using different RFID standards parallel in one application
- Several Standard Read Modes
- Integrated I/O ports
- Micro SD slot for memory extension
- Service Interface via USB
- Multiple interface options
- Ruggedized product design and enclosure
- Integrated webserver for remote access to controller
- Common SDK for all BLUEBOX products
- BLUEBOX SHOW applications software

Technical Data

Mechanical Specifications

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

Electrical Specifications

Power Supply:	24 VDC ±10 %
Power Consumption:	3 W
Operating Frequencies:	13.56 MHz
Operating Distance:	Up to 15 cm
Connectors:	M12
Antenna Connector:	Internal Antenna
Digital I/O:	2 (opto-isolated)
Interfaces:	RS232/RS485
	Profibus, WLAN, GPRS
Memory Extension:	Micro SD-Slot

Environmental Conditions

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

Features

Supported Transponders:	ISO14443A/B
	ISO15693
	MIFARE Family
Working Modes:	Continuous Mode, Spontaneous Mode
Integrated Webserver:	Remote Configuration & Standalone Mode
Status Display:	4/8 LEDs
Temperature Sensor:	On-board
Real – Time Clock:	Accuracy > 0,01s
Service Interface:	USB

Order Codes

RS232/485: R-IN-HF-5221H
Ethernet: R-IN-HF-5222H
Profibus: R-IN-HF5223H