

UHF – Basic Controller with Integrated Antenna

The UHF – Basic Controller with Integrated Antenna can achieve a reading distance of up to 50 cm with SW adjustable RF power of up to +20 dBm. The combination of a modern RF module with the up to date BLUEBOX SDK enables an easy start for ambitious developers. This powerful device is available as an ETSI version for the European market or an FCC version for the North American market.

Applications:

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



Features

- x 865–867 MHz (ETSI) or 902–928 MHz (FCC)
- x Supports ISO18000-6C & EPC C1G2
- x Up to +20 dBm (Software adjustable)
- x Integrated Antenna
- x Solutions for Near Field & Short-Range applications
- x Possibility of using different RFID standards parallel in one application
- x Several Standard Read Modes like Scan Mode, Notification Mode
- x Integrated I/O ports
- x 4 LEDs for status information
- x Ruggedized product design and enclosures
- x Unique SDK for all BLUEBOX products
- x CE & FCC approved

Technical Data

Mechanical Specifications

Housing-Material:	PC
Dimensions:	110 × 140 × 60 mm
Weight:	430 g
Protection Class:	IP65

Electrical Specifications

Power Supply:	24 VDC ± 10 %
Power Consumption:	3.5 W
Operating Frequencies:	865–867 MHz (ETSI) or 902–928 MHz (FCC)
Output Power:	+20 dBm
Operating Distance:	Up to 50 cm
Connectors:	PG9
Antenna Connector:	Internal Antenna
Digital I/O:	2 (opto-isolated)
Interface:	RS232 + RS485

Environmental Conditions

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

Features

Supported Transponders:	ISO18000-6C, EPC Class 1 Gen 2
Working Modes:	Scan Mode, Notification Mode
Status Display:	4 LEDs

Applicable Standards

Radio Regulation:	CE & FCC
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Order Code

IDR-IN-21U