

USB Encoder



Basic Controller with Integrated Antenna



Basic Controller with 1 Antenna Port



Controller with Integrated Antenna



Controller with 1 Antenna Port



Controller with 2 Antenna Ports



Controller Mid-Range with 1 Antenna Port



Cylindrical Reader


Supported Transponders

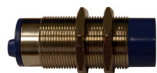
ISO14443A + Mifare Family	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ISO15693	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ISO18000-3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Specifications

Dimensions	90 × 160 × 30 mm	110 × 140 × 60 mm	110 × 140 × 60 mm	110 × 140 × 60 mm	110 × 140 × 60 mm	110 × 140 × 60 mm	110 × 140 × 60 mm	M30 × 78 mm
Housing Material	PC	PC	PC	PC	PC	PC	Aluminum	Stainless steel, PC
Antenna	Internal	Internal	External (1 × TNC)	Internal	External (1 × TNC)	External (2 × TNC)	External (1 × TNC)	Internal
Temperature Range	-20 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C
Voltage Supply	USB	24 Vdc ±10%	24 Vdc ±10%	24 Vdc ±10%	24 Vdc ±10%	24 Vdc ±10%	24 Vdc ±10%	24 Vdc ±10%
Digital I/O (opto-isolated)	-	2	2	2	2	2	2	-
LEDs	4	4	4	8/12	8/12	8/12	8/12	-
Connectors	USB	PG9	PG9	M12	M12	M12	M12/TNC	M12
Reading/Writing Distance	Up to 12 cm	Up to 15 cm	Up to 30 cm	Up to 15 cm	Up to 20 cm	Up to 20 cm	Up to 30 cm	Up to 12 cm
Temperature Sensor	-	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-
Real-Time Clock	-	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-
Memory Extension	-	-	-	Micro SD-Slot	Micro SD-Slot	Micro SD-Slot	Micro SD-Slot	-
Stand-alone Mode	-	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-
Service Interface	-	-	-	USB	USB	USB	USB	-
Integrated Webserver	-	-	-	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	-
Working Modes	Scan Mode	Scan Mode, Notification Mode	Scan Mode, Notification Mode	Scan Mode, Notification Mode, Buffered Read Mode	Scan Mode, Notification Mode, Buffered Read Mode	Scan Mode, Notification Mode, Buffered Read Mode	Scan Mode, Notification Mode, Buffered Read Mode	Scan Mode
Interface Options	USB	RS232/RS485	RS232/RS485	RS232/RS485, Ethernet, Profibus, Profinet, Ethernet/IP, WLAN, GPRS	RS232/RS485, Ethernet, Profibus, Profinet, Ethernet/IP, WLAN, GPRS	RS232/RS485, Ethernet, Profibus, Profinet, Ethernet/IP, WLAN, GPRS	RS232/RS485, Ethernet, Profibus, Profinet, Ethernet/IP, WLAN, GPRS	RS232, RS485

Order Codes

RS232/RS485	3122H (USB)	5121H	5131H	5221H	5231H	5241H	5231HM	5224H (RS232), 5225H (RS485)
Ethernet	-	-	-	5222H	5232H	5242H	5232HM	-
Profibus	-	-	-	5223H	5233H	5243H	5233HM	-

Cylindrical Antenna

Panel Antenna

Long-Range Antenna

Supported Transponders

Supported Transponders	Cylindrical Antenna	Panel Antenna	Long-Range Antenna
ISO14443A + Mifare	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ISO15693	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>
ISO18000-3	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

Specifications

Specifications	Cylindrical Antenna	Panel Antenna	Long-Range Antenna
Dimensions	M30 × 78 mm	200 × 200 × 20 mm 210 × 450 × 20 mm	240 × 240 × 20 mm 320 × 480 × 20 mm
Housing Material	Stainless steel, PC	PVC	POM
Temperature Range	-20 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C
Cable Length	1.2 m	1.2 m	1.2 m
Antenna Connector	TNC	TNC	TNC
Reading/Writing Distance	Up to 13cm	Up to 30 cm	Up to 80 cm

Order Codes

Order Codes	Cylindrical Antenna	Panel Antenna	Long-Range Antenna
Configuration 1	9221H	9222H (200 × 200 mm)	9224HM (240 × 240 × 50 mm)
Configuration 2		9223H (210 × 450 mm)	9225HM (320 × 480 × 50 mm)

Remarks:

All BLUEBOX controllers are IP65 protected.
 All BLUEBOX HF products are CE certified.

iDTRONIC provides a 3-year warranty for all BLUEBOX products.
 Delivery of controllers includes complete SDK.