

BlueBox Line – UHF Reader

Standard line of rfid readers including those specific characteristics required by the industrial sector to which it is addressed. Protection, flexibility and reliability are the peculiarity that mark the series.



Description

P/N Serial & Ethernet

Interface

Functions

Housing material

Dimensions

Antenna

Voltage Supply

Temperature Range

Digital I/O

Indications

Connectors

Transmit Power

R/W Distance

Up-Gradable

Protection

Note

Short-Range Reader with Integrated Antenna	Mid-Range Reader with Integrated Antenna	Long-Range Reader with 1x ext antenna	Long-Range Reader with 2x ext antenna	Long-Range Reader with 4x ext antenna
3122U	5326U	5336U	5346U	5231U
USB	RS232 – RS485 - Ethernet	RS232 – RS485 - Ethernet	RS232 – RS485 - Ethernet	RS232 – RS485 - Ethernet
Read & Write tag	Read & Write tag	Read & Write tag	Read & Write tag	Read & Write tag
PC	Aluminium	Aluminium	Aluminium	Stainless steel, PC
145 x 75 x 35 mm	140 x 110 x 60 mm	140 x 110 x 60 mm	140 x 110 x 60 mm	140 x 110 x 60 mm
Internal	Internal	External x1	External x2	External x4
5 Vdc from USB	10-27 Vdc	10-27 Vdc	10-27 Vdc	10-27 Vdc
-20 +55°C	-20 +55°C	-20 +55°C	-20 +55°C	-20 +55°C
-	2	2	2	2
Led & Buzzer	Led & Buzzer	Led & Buzzer	Led & Buzzer	Led & Buzzer
USB	M12 IP67	M12 IP67	M12 IP67	M12 IP67
+20 dBm	+27 dBm	+30 dBm	+30 dBm	+30 dBm
Up to 0,6 mt	Up to 3 mt	Up to 8 mt	Up to 8 mt	Up to 8 mt
Yes	Yes	Yes	Yes	Yes
IP40	IP67	IP67	IP67	IP67
Serial & Keyboard emulation	High reliability	High reliability	High reliability	High reliability

Working Mode

Supported Standard

Scan Mode, Polling Mode, Buffered Read Mode, Trigger Mode, for all mid-range and long-range products.

Iso18000-6C, EPC C1G2, for all products and, Iso18000-6B optional. Supported Frequency is 865-867 (ETSI) and 902-928 (FCC)

BlueBox Line – UHF Antennas

Complete line of UHF antennas expressly conceived for BlueBox readers. Cylindrical and panel housing always provide the best combination and the most effective reading distance with related tags.



Description	Short-Range	Mid-Range	Mid-Range	Mid-Range	Mid-Range	Long-Range
P/N Serial	9131U 180° 9132U 90°	ANT1308U	ANT1313U	ANT1818U	ANT2727U	ANT3838U
Housing material	Brass and ABS	ABS	ABS	ABS	ABS	ABS
Dimensions	Ø30 x 80 mm Ø30 x 53 mm	101 x 80 x 35 mm	128 x 128 x 38 mm	180x180x56 mm	270x270x75 mm	385x385x80 mm
Temperature Range	-10 +55°C	-40 + 80°C	-30 +70°C	-40 +70°C	-40 +70°C	-40 +70°C
RF Connectors	TNC female	SMA female	SMA female	N female	N female	N female
R/W Distance *	Up to 50 cm	Up to 3 mt	Up 5 mt	Up 5 mt	Up 7 mt	Up 12 mt
Frequency	865-870 Mhz	865-870 Mhz	865-870 Mhz	865-870 Mhz	865-870 Mhz	865-870 Mhz
Antenna Gain	2 dBi	3,5 dBi	5,5 dBi	5 dBi	9 dBi	10,5 dBi
Beamwidth	110°	90 / 135°	110 / 120°	110°	65°	60°
Polarization	Circular	Circular	Circular	Vertical	Circular	Circular
Protection	IP65	IP67	IP66	IP65 / IP67	IP65	IP65
Impedence (ohm)	50	50	50	50	50	50

Typical reader distance with tag in isocard format and reader with power of 30 dBm