











# LF 125 kHz - RFID system

LF Reader	OEM Embedded	USB Encoder	Basic controller	Advant controller	Cylindrical
					
Specifications					
Dimensions	30,5x25,5x5 mm	75x145x35 mm	110x140x60 mm	110x140x60 mm	M30 x 78mm
Housing material	PC board	PC	PC	PC	Stainless steel / PC
Housing protection	-	IP40	IP65	IP67	IP65
Antenna	Internal	Internal	Internal-External (1)	Internal-External (1-2)	Internal
Temperature Range	-10...+55°C	-20...+65°C	-20...+65°C	-20...+65°C	-20...+65°C
Supply voltage	5 Vdc	USB	10-36 Vdc	10-36 Vdc	10-36 Vdc
Digital I/O (opto)	2	-	2	2	-
LED	2	4	4	4/8/12	1 Bicolor
Connectors	Soldering strip	USB	PG9	M12	M12
Real Time Clock	-	-	-	✓	-
Memory Extension	-	-	-	Micro SD Slot	-
Stand Alone Mode	-	-	-	✓	-
Service Interface	-	-	-	USB	-
Integrated Webserver	-	-	-	✓	-
Working Modes	-	Scan Mode	Scan Mode Notification Mode Buffered Read Mode	Scan Mode Notification Mode Buffered Read Mode	Scan Mode
Host Interface	TTL, RS232, RS485	USB	RS232 / RS485	Ethernet, Profibus RS232/RS485	RS232 / RS485

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LF Antenna	Cylindrical M18	Cylindrical M30	Cylindrical M30 Stainless	On metal	Panel 200	Panel 400
						
Specifications						
Dimensions	M18 x 90 mm	M30 x 78 mm	M30 x 78 mm	70 x70 mm	200 x 200 mm	210 x 450 mm
Housing material	PC	PC	Stainless steel / PC	POM	PVC	PVC
Housing protection	IP67	IP67	IP67	IP67	IP65	IP65
Temperature Range	-20 ... + 65°C	-20 ... + 65°C	-20 ... + 65°C	-20 ... + 65°C	-20 ... + 65°C	-20 ... + 65°C
Cable Length	1.5 mt	1.5 mt	1.5 mt	1.5 mt	1.5 mt	1.5 mt

**Remarks:**

- All the BLUEBOX controllers are IP65 protected and CE approved
- Interface cables, Antenna cables and Power supply units are not included in the controller package, please check the available accessory list