BoxID
LCD

Applications:

- Access control and employee identification systems
- Forklift operation supervision
- Industrial machinery access authorization
- Public facility monitoring (stadiums, exhibition halls)
- Wireless transaction systems (e.g. in diners)
- Logistical systems for storeroom management and tracking resources
- Employee work time recording

IP65 · LUA · ✉ · Wi-Fi · → · ← · MODBUS · POE 802.3AF

Characteristics:

- NFC-equipped smartphones can be utilized as access tokens.
- 4x20 characters LCD display - enables customization by displaying various messages or applied RFID tag data.
- Control over two relay outputs and monitoring two digital inputs.
- Built-in Lua script interpreter for advanced users.
- Ethernet and Wi-Fi (option) communication.
- Siemens S7 and Mitsubishi FX/Q PLC integration (option).
- Optional M12 connector offering exceptional resistance from adverse environmental conditions.
- HTTP(S), MQTT(S), Modbus TCP, Modbus RTU, SNTP communication protocols support.
- Real-time e-mail notifications.

Technical characteristics

Power supply	PoE: 33-57V IEEE 802.3af		10-24V DC, 3,5mm screw terminal	
Power consumption	Max. 2,5W			
Transponders	Unique EM4100, EM4102		HITAG 1/2/S	
	Mifare ® (Classic, Plus, DESFire)	ICODE® (ISO15693)	iClass Seos®	
Memory	5000 tags, 30 000 events			
Inputs	Amount of digital inputs: 2		Input type: NO (Normally Open)	
Outputs	Amount of outputs: 2	Output type: NO, relay	Maximum relay load: 1A @30V DC	
Communication	Ethernet 10/100Mbps, RJ45 port	Wi-Fi (option)	RS485 port (Modbus RTU)	
Enclosure	IP rating: IP65	Dimensions: 100 x 100 x 55,6mm		
Operating temperature	From -10°C to +55°C			

Version	RFID standard					Wi-Fi	M12 connector	Catalogue number
	Unique	HITAG 1/2/S	Mifare®	ICODE	iClass			
BoxID LCD LF	✓	✓						BI-0019-0003-00
BoxID LCD LF M12	✓	✓					✓	BI-0019-0103-00
BoxID LCD LF Wi-Fi	✓	✓				✓		BI-0019-0007-00
BoxID LCD LF Wi-Fi M12	✓	✓				✓	✓	BI-0019-0107-00
BoxID LCD HF			✓	✓	CSN only			BI-0046-0003-00
BoxID LCD HF M12			✓	✓	CSN only		✓	BI-0046-0103-00
BoxID LCD HF Wi-Fi			✓	✓	CSN only	✓		BI-0046-0007-00
BoxID LCD HF Wi-Fi M12			✓	✓	CSN only	✓	✓	BI-0046-0107-00
BoxID LCD HF iClass Seos/ Mifare/ICODE			✓	✓	✓			BI-0086-0003-00
BoxID LCD HF iClass Seos/ Mifare/ICODE M12			✓	✓	✓		✓	BI-0086-0103-00
BoxID LCD HF iClass Seos/ Mifare/ICODE Wi-Fi			✓	✓	✓	✓		BI-0086-0007-00
BoxID LCD HF iClass Seos/ Mifare/ICODE Wi-Fi M12			✓	✓	✓	✓	✓	BI-0086-0107-00