

This fixed long range interrogator is based on ISO/IEC 18000-7 standard and can be easily integrated into advanced information systems.

This fixed long range interrogator is based on ISO/IEC 18000-7 standard and can be easily integrated into advanced information systems. It features low power consumption, long communication range, high data transmission rates, as well as automated identification, tracking and tracing of assets without human intervention. It transmits and receives data at distances over 140 meters utilizing an integrated antenna. The standardized anti-collision multi-tag handling algorithm allows communication to transponders even when thousands of transponders are within the interrogator's read zone. Also, this device communicates via Ethernet, RS232 and RS485 interfaces and has 5 LEDs for status display.



Key Features

- ✓ 433 MHz operating frequency
- ✓ Provides 140-meters (460 ft) read/write range
- ✓ 128KB of non-volatile memory
- ✓ Compatible with ISO/IEC 18000-7 standards
- ✓ Adjustable power output
- ✓ Supports i-BUS (RS 422 or RS485) and RS232 interfaces

Technical Specifications

Compatibility ISO 18000-7 Transponders such as our model 124064, 124065, 124066

Performance

Read/Write range up to 140 m (460 feet) in free air (line of sight)

Communication

Frequency 433.92MHz

Certification ISO/IEC 18000-7

Data rate 27.778 kbit/s

Modulation FSK \pm 50 kHz at 27.778 kHz data rate

Transmit power \leq 0 dBm to comply with national regulations

Sensitivity -95 dBm

CPU

Program memory 2 MB Flash

Configuration memory Up to 128 KB

Interfaces

Host interface Ethernet, RS232, RS485 (IN and OUT)

Status display 5 LEDs (ANT, RUN, BUS, ERR, ETH)

Electrical

Power source 10 - 30 VDC, 90 - 260 VAC, 47 - 63 Hz AC

Input power Maximum 15W when 3 additional devices are daisy chained.

Single Device 2.5W at 115VAC, 5.0W at 230VAC, 2.0W at 24VDC

Environmental

Operating temperature -30 °C to +60 °C (-22°F to +158°F)

Storage temperature -40 °C to +70 °C (-40°F to +176°F)

Humidity 90% non-condensing

Package rating	IP64	
Physical		
Dimensions	w/o mounting bracket	357mm L x 237mm M x 70.5mm H (14.06 in. L x 9.33 in. M x 2.78 in. H)
	with mounting bracket	357mm L x 237mm M x 133mm H (14.06 in L x 9.33 in M x 5.24 in H)
Case material	PC / ABS with UV inhibitors, UL 94 V0	
Weight	1500 g	
Approvals		
Radio	FCC Part 15, EN 300220, RSS-210	
EMC & Immunity	EN 301489	
Safety	EN 60950	
Ordinance H	ERO Listed	
Accessories		
Mounting Kit	PN 390568	
Battery Charger	PN 390871	
Rechargeable Battery	PN 390972	

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