

XC-RF807

Intelligent RFID Reader

Ultra high frequency Gen 2 RFID
Unprecedented capabilities & Cost Effectiveness
Support global RFID deployment needs



The Invengo XC-RF807 Fixed Reader enables users to deploy a broad range of EPC Gen 2 RFID solutions for global use, including but not limited to supply chain, asset management and retail applications, with special consideration of North American, European and Chinese frequencies to ensure that robust UHF operation performance can be achieved.

The XC-RF807 provides best of class robust Dense Reader Mode (DRM) performance that prevents the readers from interfering with one another when many are used in close proximity to one another.

Continuing to focus on keeping Total cost of ownership (TCO) low, the XC-RF807 fixed reader includes powered general purpose input/output (GPIO) circuitry, which allows direct interfacing with external devices and peripherals without requiring extra devices and power supplies.

Features

Dense Reader Mode (DRM)

Restricts readers transmission to non-overlapping channels, and optimizes reader-tag communication in environments with multiple readers transmitting simultaneously

Four TNC Antenna Ports

Enables up-to-four-antenna applications, simple to deploy, and easy to manage

Received Signal Strength Indicator (RSSI)

Determines the received signal strength of a tag being returned for the current tag operation

General Purpose Input Output (GPIO)

Allows direct interfacing with external devices and peripherals without requiring extra devices and power supplies

Power over Ethernet (PoE)

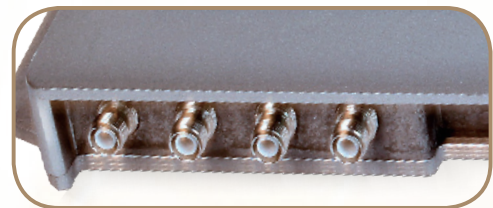
Equipped with PoE, uses the Ethernet cabling to draw electrical power, allowing greater application flexibility and reduced installation costs

Enhanced Interference Rejection

Ensures strong interference rejection in the presence of other readers, or any environmental condition that creates electrical noise at the same frequency as the communications signal

Rugged Design & Construction

With IP54 environmental sealing rating, offers flexibility to use in nearly any environment; dramatically reduces repair and downtime costs



Applications

- Supply Chain
- Asset Management
- Logistics
- Retail
- Manufacturing

Specifications

Physical Characteristics	
Dimensions	360mm×220mm×39mm 14.2in×8.7in×1.5in
Weight	2.5kg / 5.5lb
Case Material	Aluminum
Antenna Port	4 TNC type ports
Environmental Sealing	IP54
Power Supply	
Adapter	AC input 100-240V, 50-60Hz; DC output 24V±5% / 2.5A
DC Power Supply	24V to 30V / 2.5A (24V recommended)
PoE (optional)	Support IEEE802.3af and IEEE802.3at
Power Consumption	5W to 24W
Frequency Range	
FCC (North America)	902-928MHz
ETSI (EU)	865-868MHz
Performance Characteristics	
Standards Supported	EPCglobal C1 Gen2 ISO 18000-6C
Read Range	0m to 30m / 0ft to 98.4ft (configuration dependent)
Tag Data Rate	40-400kbps (software configurable)
RF Output Power	12dBm to 36dBm, stepping at 3dB, software configurable
Single Tag Read Rate	>500 times/second
Multiple Tag Read Rate	100% (400 tags)
Operating Mode	Single reader / Dense reader
Tag Memory Size Supported	EPC: up to 486 bits TID: up to 112 bits User: up to 64K bits

Communication Interface • Network Protocol	
Communication Interface	RS-232, 10/100M Ethernet
GPIO Interface	4 inputs, optically isolated (5V, <20mA); 4 relay control outputs, (30V, <1000mA)
Network Protocol	TCP/IP, HTTP, SSH, Telnet & mDNS
User Environment	
Operating Temp.	-20°C to +70°C / -4 °F to 158 °F
Storage Temp.	-30°C to +75°C / -22 °F to 167 °F
Humidity	5% to 95% RH non-condensing
Version Number	
Hardware	V 1.0
Software	V 1.0
Accessory Purchase Code	
PoE	2010000327
50Ω Load	TNC type: 1001300004
RF Cable	TNC type- N type_6m: 2200800009
Regulatory	
FCC ID	TQ4XC-RF807
CE Mark	Yes
RoHS	Yes

Contact us

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