GAO RFID Inc.
A Member of GAO Group

Celebrating Over 20 Years of Innovation

2.45 GHz Gain Adjustable Active RFID Reader/Receiver

Product ID 217001

GAO RFID's 2.45 GHz Gain Adjustable RFID Reader uses a built in omni-directional antenna allowing it to identify transponder tagged items up to 328 feet (100 meters) in all directions. Users can adjust the identification distance from less than 16 ft – 328 ft (5 m to 100 m) according to actual situations in order to make identification more accurate. The reader uses an advanced 0.18 µm CMOS IC for ultra-low power consumption. The reader features optional built in PoE (Power over Ethernet) which has the ability for the LAN switching infrastructure to provide power over a copper Ethernet cable to an endpoint or powered device.

APPLICATIONS

- ❑ Personnel Tracking
- ❑ Logistics
- ❑ Warehouse Management
- ❑ Closed Loop Asset Tracking
- ❑ High Value Asset Tracking

ASK AN EXPERT!
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1-877-585-9555 x 601 Within North America
1-416-292-0038 x 601 Anywhere Else

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KEY FEATURES

- ❑ Adjustable identification distance from <16 ft – 328 ft.
- ❑ Built-in omni-directional antenna.
- ❑ Advanced 0.18 µm CMOS IC for low ultra-low power consumption.
- ❑ Optional built-in PoE (Power over Ethernet).

TECHNICAL SPECIFICATIONS

Direction	Omni-directional, standard whip antenna
Range	0 ft to 328 ft (0 m to 100 m) adjustable
Frequency	2.4 GHz to 2.5 GHz ISM (UHF-Ultra High Frequency)
RF Output Power	0 dBm
Sensitivity	-90 dBm
Power	50 mA, 9 V
Modulation	GFSK

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TECHNICAL SPECIFICATIONS

Modes	Direct Mode and Buffering Mode. In direct mode, the reader uploads messages to the host system in real time. In buffering mode, the reader save messages, which are uploaded only when requested by the host system
Dimensions	4.96 in x 4.06 in x 1.10 in (126 mm x 104 mm x 28 mm)
Data Rate	1 Mbps
Interface	TCP/IP (RS232 is optional) (PoE is optional)
Operating Temperature	-40 ℉ to 176 ℉ (-40 °C to 80 °C)
Operating Humidity	95 % Non-condensing
Multi-Detection	100 tags/sec