



***This gain adjustable active RFID reader uses an advanced 0.18µm CMOS IC and identifies tagged items within 100m in all directions.***

This 2.45GHz active RFID reader is gain adjustable and is intended for use in applications such as individual location, logistics, warehouse management, closed loop asset tracking and high value asset tracking. It uses an advanced 0.18µm CMOS IC and identifies 100 tags per second within 100 meters. The reader has a large memory capacity which can store the latest 800 tag information.

This reader consumes little power and offers both direct mode and buffering mode for data collection. In direct mode, the reader uploads message to the host system in real time. In buffering mode, it receives and saves messages which are uploaded only when requested by the host system.



**Specifications**

Frequency	2.4GHz to 2.45GHz ISM
Modulation	GFSK
Read range	0 to 100m adjustable
RF output power	0dBm
Sensitivity	-90dBm
Data rate	1Mbps
Interface	TCP/IP (RS232 is optional)
Buff capacity	800 latest messages
Identification speed	100tags/s
Multi-detection	Yes
Operating temperature	-40°C to 80°C
Humidity	95% non-condensing



**GAO RFID Inc.**

**A Member of GAO Group**

*Celebrating Over 15 Year of Innovation*

*Product Overview*

**2.45GHz Gain Adjustable Active RFID Reader (217001)**



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