



***This reader has a built-in omni-directional antenna which allows it to support multi-detection and identifies tagged items at distance of up to 100 meters.***

This gain-adjustable active WiFi RFID Reader operates at a frequency of 2.45GHz. It utilizes an advanced 0.18µm CMOS IC for ultra-low power consumption and also uses 802.11b wireless communication standard. It boasts a large capacity buffer and saves up to 800 data sets of the last read tags. The reader has a direct mode and a buffering mode. In direct mode, it uploads messages to a host system in real time. In buffering mode, the RFID reader receives and saves messages, which are uploaded only when requested by the host system.

## **Applications**

- ✓ Location of individuals
- ✓ Logistics and warehouse management
- ✓ Closed loop asset tracking
- ✓ High value asset tracking





## Technical Specifications

Direction	Omni-directional, standard whip antenna
Range	0m to 100m adjustable
Frequency	2.4GHz to 2.5GHz ISM
RF output power	0dBm
Sensitivity	-90dBm
Power	50mA, 9V
Modulation	GFSK
Mode	Direct mode and buffering mode. In direct mode, readers upload messages to the host system in real time. In buffering mode, readers receive and save messages, which upload only when requested by the host system.
Buff capacity	800 latest messages
Data rate	1Mbps
Interface	802.11b
Dimension	126mm x 104mm x 28mm
Operating temperature	-40 °C to 80 °C
Operating humidity	95% Non-condensing





**GAO RFID Inc.**

**A Member of GAO Group**

*Celebrating Over 15 Year of Innovation*

*Product Overview*

**Gain-Adjustable Active WiFi RFID Reader (217002)**



## **GAO Group**

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