



***The multi-protocol UHF RFID Reader/Writer is able to read/write to and from UCODE, TI, Alien and many other RFID labels. It is an ideal solution for intelligent parking control systems.***

This multi-protocol UHF RFID reader/writer is compliant with ISO 18000-6B, EPC Class 1, EPC Class 1 Gen 2 standards. The RFID reader/writer has an integrated antenna providing for a wide effective read range, and it is characterized by its capability to identifying fast-moving items. It is an ideal solution for intelligent parking control systems.



### **Key Features**

- ✓ Includes RF module, I/O port, series communication port and synchronization function
- ✓ Digital signal processing
- ✓ Embedded software can be conveniently upgraded for protocol expansion
- ✓ Saves identified tag information into nonvolatile memory ensuring data is not loss in the event of network communication failure
- ✓ ID match function
- ✓ Real-time clock
- ✓ Each channel's RF power can be set separately
- ✓ Eight LED status indicator



## Technical Specifications

Operating Frequency	860 MHz to 960 MHz	
RF Protocols	ISO18000-6B, EPC Class 1, EPC Class 1 GEN 2	
Operating Mode	FHSS or fixed frequency (set by software)	
Antenna Ports	2 ports, SMA	
Max RF Power	30 dBm	
Power Smoothness	< 0.5 dB	
RF Power Range	20 dBm to 30 dBm (software adjustable)	
Read Mode	Selectable: auto, external trigger control or software control	
Tag Identification Time	< 8 ms (single tag)	
Tag Read/Write Time	Read: ≤ 5 ms per 8 byte, write: ≤ 25 ms per 4 byte	
Read/Write Distance	up to 8 m (antenna dependent)	
Communication Interface	Type A	RS-232, RS-485, Wiegand26/34
	Type B	RS-232, RS-485, Wiegand , USB
	Type E	RS-232, Wiegand , Ethernet
Input/Output	one-way triggering inputs, two-way relay outputs	
Power Supply	5 V DC	
Power Consumption	≤ 5 W	
Dimensions	200 mm × 190 mm × 46 mm	
Working Temperature	-10 °C to 55 °C	
Storage Temperature	-20 °C to 85 °C	
Status Indication	Buzzer and LED	



**GAO RFID Inc.**

**A Member of GAO Group**

*Celebrating Over 15 Year of Innovation*

*Product Overview*

**Multi-Protocol UHF RFID Reader/Writer**

**(216013)**



## **GAO Group**

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