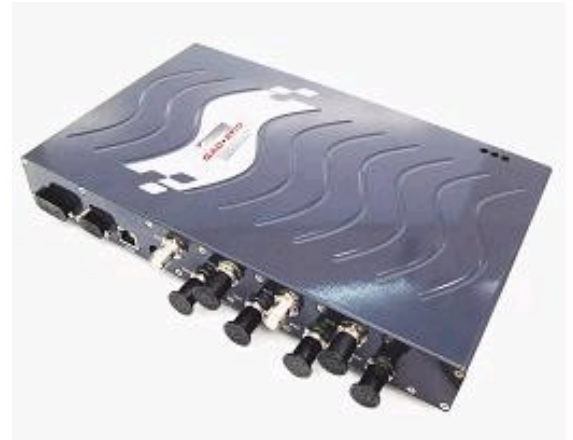




The UHF semi-passive RFID reader has a robust design allowing it to withstand harsh environments such as warehouse and industrial areas.

This UHF semi-passive RFID reader provides industry-leading range and read/write ability for applications such as asset tracking, yards management and nested supply chain. It can read EPC-compliant passive tags and next-generation battery-assisted passive tags.

The reader's advanced design ensures exceptionally high read/write accuracy of more than 99%. It performs reliably in real world environments around liquids, metals and other RF-unfriendly conditions, ensuring accurate readability of fully loaded pallets and containers. Its proprietary software eliminates missed tag reading. Its high sensitivity allows up to 100m read range in free space. The reader can be configured with up to four antenna pairs and interfaces to the network using Ethernet and 802.11. This robust RFID reader also suited for use in warehouse and industrial areas.



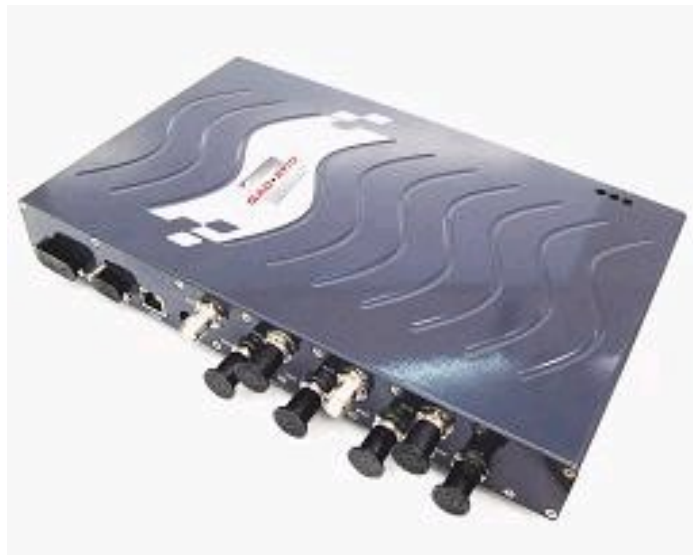
Key Features

- ✓ High sensitivity receiver
- ✓ Adaptive signal processing and noise reduction
- ✓ Efficient sourcing algorithms in Tag Hunter software
- ✓ Up to 100m read range (free space)
- ✓ Enables more efficient tag search and access
- ✓ Supports multiple protocols (XML, LLRP and SLRRP) on different interfaces
- ✓ LEDs for power (green), activity (yellow) and error (red)
- ✓ Web-based and remote firmware upgradable
- ✓ Frequency Hopping Spread Spectrum (FHSS)



Technical Specifications

| | |
|--------------------------|---|
| Frequency | 902 to 928MHz |
| External interface | Control I/O port (4 inputs, 4 outputs) DB15, RS232 serial DB9 |
| Network | 10/100Base-T Ethernet , RJ45 |
| RF connectors | Reverse-TNC |
| Antenna ports | 4 transmit ports, 4 receive ports |
| Power supply | 24V DC at 1.5A |
| Safety | EMI-RF emissions |
| Regulator | FCC part 15C |
| Operating system | Linux (Version 2.4.2.1) |
| IP addressing | Static and dynamic |
| Power output | 4W EIRP at maximum |
| Tag protocol | EPC Class 1 Gen 2 (read, write), Class 3 (read, write) |
| Host interface protocols | XML, LLRP and SLRRP |
| Operating temperature | 0°C to 55°C |
| Storage temperature | 20°C to 70°C |
| Humidity | 5% to 95% non-condensing |
| Dimensions | 7.5in × 12in × 2.6in |
| Weight | 3.6lbs |





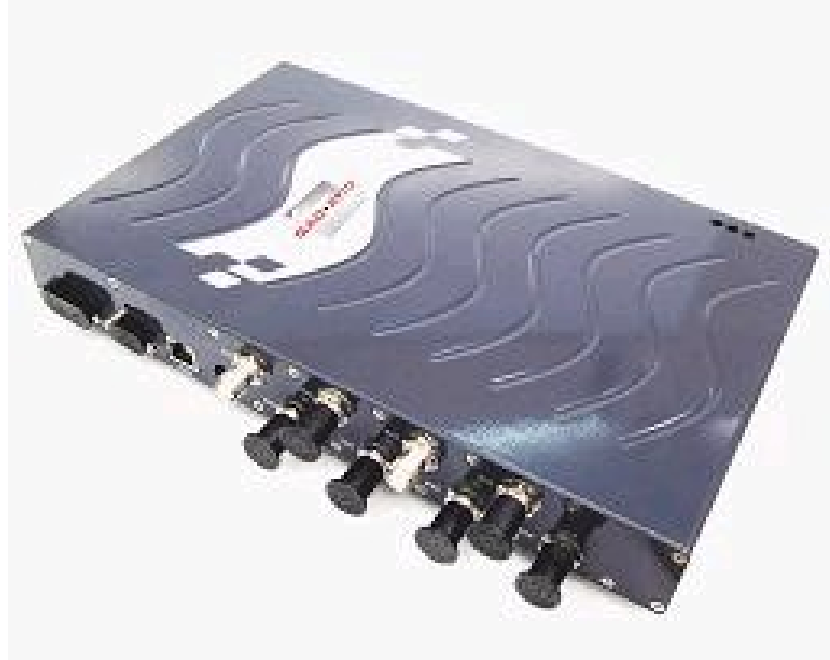
GAO RFID Inc.

A Member of GAO Group

Celebrating Over 15 Year of Innovation

Product Overview

902MHz Semi-Passive RFID Reader (236005)



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GAORFID.com

GAOTek.com

GAORFIDAssetTracking.com

GAOComm.com

GAOInstruments.com

GAOFiberOptics.com

GAOEmbedded.com

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