



This UHF Gen 2 enterprise RFID reader is ideal for supply chain, manufacturing and asset management applications.

This easy to deploy and manage UHF Gen 2 enterprise RFID reader features enhanced interference rejection, monostatic antenna connections, and a small foot print. It also boasts high read rates, making it suitable for use in high demand applications. It offers several methods for anti-interference that provides a powerful solution to the challenge of noisy environments. One of the key features of this reader is its Autonomous Mode function which allows automated operation based on external triggers, timing or software inputs.

This high performance RFID reader is interoperable with numerous mainstream RFID platforms such as Microsoft BizTalk RFID, IBM Web Sphere, Oat Systems and Oracle. It provides support for SAP through third party middleware, as well as, remote firmware management and remote monitoring via the Simple Network Management Protocol (SNMP). A loss of power or LAN connection interruption does not lead to the loss of critical tag data. In addition, a well-documented SDK featuring .NET and Java libraries is provided.

Key Features

- ✓ High read rates for demanding applications
- ✓ Enhanced noise rejection for reliable data capture in noisy environments
- ✓ Easy integration with RFID software
- ✓ Small footprint (8" x 8")
- ✓ Monostatic antenna design
- ✓ Industry leading anti-cloning technology
- ✓ Industrial and installation-friendly I/O connector
- ✓ Easily configured and upgradable
- ✓ High Performance, easy to deploy and easy to manage



Technical Specifications

Architecture	XScale processor, Linux, 64 Mbytes RAM, 64 MBytes Flash
Supported RFID Tag Protocols	EPC Gen 2; ISO 18000-6C
Reader Protocols	SNMP, firmware upgradeable
LAN Protocols	DHCP, TCP/IP, NTP
Dense Reader Management	Dense Reader Mode, Event triggering
Frequency	902.75 MHz to 927.25 MHz
Channels	50
Channel Spacing	500 kHz
RF Power	Max 4 watts EIRP with antenna
Power	Tri-voltage AC/DC power converter; 45 watts maximum 120 VAC or 240 VAC
Communications	RS-232 (DB-9 F), LAN TCP/IP (RJ-45)
Antennas	4 ports; monostatic topology; circular or linear polarization, reverse polarity TNC
General Purpose Inputs/Outputs	4 inputs, 8 outputs, optically isolated, 0.5 amp, requires external power source of no more than 24 volts
Dimensions	8.0" x 8.3" x 1.8"
Weight	1.5 kg (4.4 lb)
Operating Temperature	-20 °C to 50 °C (-4 °F to 122 °F)
Dust and Moisture	IP53
LED Indicators	Power, Link, Active, Ant 0-3, CPU, Read, Sniff, Fault (red)
Software SDK	Java and .NET APIs
Compliance Certification	Emissions: FCC Part 15 Safety: UL 60950



GAO RFID Inc.

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Product Overview

UHF Gen 2 Enterprise RFID Reader (216007)



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GAORFID.com

GAOTek.com

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GAOInstruments.com

GAOFiberOptics.com

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