



This powerful UHF reader is suitable for operation within North America and other regions compatible with FCC regulations.

This high performance UHF Gen 2 RFID reader is developed for use in industrial applications where high read rates are required such as supply chain, portals, loading dock doorways, and warehousing. It offers a wide portfolio of configuration and enterprise management tools and features best-in-class air interface and multi-protocol agility. The reader is available in 4 and 8 antenna port options allowing for mono-static or bi-static configuration. In addition, the reader provides an intuitive installation wizard allowing the user to be able to begin reading tags within minutes.

Key Features

- ✓ Innovative “AutoPHY” feature
- ✓ Multi-protocol support
- ✓ 4 and 8 antenna port configurations
- ✓ Increased sensitivity while still rejecting interference boosting performance in challenging dense reader environments
- ✓ Industry standard application interfaces with support for EPC Global Low Level Reader Protocol (LLRP) v1.0.1
- ✓ The bi-static configuration further enhances sensitivity in support of future Class 3 and “Battery Assisted Passive” (BAP) tag protocols
- ✓ Status LEDs for easy monitoring of device's status
- ✓ Upgradeable firmware permits forward compatibility for future protocols



Technical Specifications

Operating Frequency	UHF 902 MHz to 928 MHz
Standards	EPC Class 1 Gen 2, ISO 18000-6B and ISO 18000-6C
Operating Modes	Single Interrogator Multiple Interrogator Dense Interrogator
Communication	10/100 Ethernet Port USB1.1 Type B port Serial Port EIA/TIA-232-F 115 kBaud with hardware handshaking (RTS/CTS), DCE Logical interfaces for GAO's CLI and EPCglobal's LLRP V1.0.1
GPIO	Digital input/output port 4 – Optically coupled inputs, 25 V max. Controllable input reference 4 – Open-collector outputs, 3 V to 40 V, 100 mA max, 1 W max
RF Power	+30 dBm, conducted (FCC)
Input Power	24 V DC 10 W idle, 18 W typical (20 W maximum) at 30 dBm
Antenna Connection	RP-TNC connectors (reverse polarity)
LED Indicators	Power, Activity, Environment/User, Status
Upgradeable Firmware	Yes
Operating Temperature	-20 °C to 55 °C (-7 °F to 131 °F)
Relative Humidity	5% to 95%, non-condensing
Dimensions	246.7 mm x 184.15 mm x 55.6 mm
Weight	2.1 kg
Certification	RoHS, FCC Part 15, IC RS210, and IEC 60950
Case Material	Aluminum



GAO RFID Inc.

A Member of GAO Group

Celebrating Over 15 Year of Innovation

Product Overview

High Performance 902 MHz to 928 MHz RFID Reader

236026



GAO Group

GAORFID.com

GAOTek.com

GAORFIDAssetTracking.com

GAOComm.com

GAOInstruments.com

GAOFiberOptics.com

GAOEmbedded.com

GAOResearch.com

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