This long distance UHF RFID interrogator PC card can be conveniently plugged into a laptop, handheld or mobile computer, and ships with development software for application development under Windows CE/9x/NT/ 2000/XP and Linux OS.
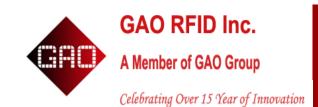
This long range UHF RFID interrogator in a PCMCIA card format minimizes human intervention while achieving extremely reliable performance of real time data collection in identification, track and trace, and localization of assets or people. It uses UHF radio frequency technology with an advanced anti-collision algorithm which allows it to accurately transmit and receive information to and from literally thousands of RFID tags. The card can be conveniently plugged into a laptop, handheld or mobile computer, and is shipped with development software for application development under Windows CE/9X/NT/200/XP and Linux. The software also enables it to process data and update firmware from the PCMCIA or serial interface.
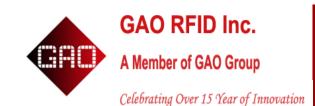
Key Features

- ✓ Software adjustable communication range, up to 100m (300ft)
- ✓ Provides reliable identification of fast-moving objects
- ✓ 100tags/s identification rate
- ✓ Simultaneously identifies 2,000 tags
- ✓ Provides drivers for different operating systems ensuring flexible and hardware independent use
- ✓ Integrates easily into existing handheld or mobile computers
- ✓ Serial interface for serial integration into other devices

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Technical Specifications

Frequency	868MHz (EU) or 915MHz (NA) ISM band
Certification	EN 300 220 (EU), FCC part 15 (US); industry Canada
Data rate	115.2kbit/s (up/download), 38.4kbit/s (upload to tag), 115.2kbit/s (download from tag)
Output power	≤ -27dBm to 8dBm, digitally adjustable
Sensitivity	-85dBm (high sens), -55dBm (low sens), digitally adjustable
Operating system	Drivers for different operating systems (Windows CE/Win9X, NT, 2000, XP and Linux)
Program memory	2MB flash
Read rate (ID only)	100tags/s (ID only), 35tags/s (128bit data)
Read/write range	Up to 100m with active beacon tags, up to 6m for response tag series
Parallel interface	CF Type 1
Optional serial interface	RS232, JTAG via PGM 15 connector
Input power	5V DC, ±5%
Power consumption	≤ 500mW (100mA)
Standards/safety	CE, EN 300 220
Operating temperature	-20°C to 60°C
Storage temperature	-40°C to 80°C
Humidity	90% non-condensing
Dimensions	86mm × 54mm × 5mm
Weight	32g

GAO Group	Toll Free (USA & Canada)
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