



This high-performance 4-port UHF RFID reader is driven by powerful M6e UHF RFID reader module and is compatible with both corporate IT infrastructures and sheltered outdoor environments.

This high-performance 4-port UHF RFID reader is Power over Ethernet (PoE) capable and has optional Wi-Fi network connectivity. It offers a maximum read distance of up to 30 ft and is capable of reading 400 tags per second in typical read zone environment. The reader has an IP52 protection rating and has a water and dust resistant design for industrial, outdoor and rugged service requirements. Moreover, it boasts a common programming interface for enterprise RFID solution development.



Key Features

- ✓ Small form factor, rugged service environments
- ✓ High performance even in harsh operating capabilities
- ✓ High transmit power
- ✓ PoE capable
- ✓ Max EPC ID length up to 496 bits
- ✓ Complies with EPC global Gen 2 (ISO 186000-6C) with DRM



Technical Specifications

Tag/ Transponder Protocol

RFID Protocol	EPCglobal Gen2 (ISO 18000-6C) with DRM ISO 18000-6B (optional) IP-X (EM 412x) (optional)
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UHF RFID Antenna Interface

Interface	Four RP-TNC connectors
RF Power Output	Separate read and write levels, adjustable from 5 dBm to 31.5 dBm* (1.4W) with +/-0.5 dBm accuracy above +15 dBm
Frequency	902 MHz to 928 MHz (FCC; NA, SA) 865.6 MHz to 867.6 MHz (ETSI; EU) 865 MHz to 867 MHz (MCIT; India)

Data/Control/Wireless Interfaces

Connectors	RJ45 (10/100 Base-T Ethernet) USB Type B (console port) USB Type A (accessory port) HD15 (GPIO interface) 5.54 mm sealed connector (DC power) Reverse polarity SMA jack (optional Wi-Fi antenna)
Wireless	Internal 802.11 b/g (optional) WEP 40-bit and 104-bit keys; WPA & WPA2 keys or EAP-TLS USB type A interface permits future support for external wireless technologies.
Indicators, Switches, and GPIOs	1 two-color LED status indicator; Reset switch; Isolated GPIOs; 4 Inputs & 4 Outputs plus +5 VDC and grounded references

Regulatory & Safety

Regulatory	FCC 47 CFR Ch.1 Part 15 Industry Canada RSS-210 ETSI EN 302 208 V1.2.1
Other	RoHS compliant per EU directive 2002/95/ EC, UL Listed (Pending)

Performance

Max Tag Read Rate	Over 400 tags/second
Max Tag Read Distance	Over 30 feet (9 m) with 6 dBi antenna (36 dBm EIRP)
Max EPC ID Length	Up to 496 bits

Power

Power Over Ethernet	Power over Ethernet 802.3af in both modes A and B (Supports 100 m cable).
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External DC Power	10 V to 30 V DC supply voltage Maximum DC power: 15 W
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Architecture

Operating System	Linux kernel version 2.6
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Environment

Operating Temperature	-20 °C to 50 °C
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Storage Temperature	-40 °C to 85 °C
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Dust and Water Immunity	IP52
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Humidity	5 % to 95 %, non-condensing
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Physical

Dimensions	19 cm x 17.8 cm x 3.4 cm (7.5 in. x 7.0 in. x 1.3 in.)
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Weight	2 lbs (0.09 kg)
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OS Features

Networking	Cisco-certified DHCP & DNS-based configuration and firmware management, TCP/IP networking stack
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Security	SSL/SSH-based security
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Web-Based Control	Configuration and Monitoring from a web browser; HTTP/HTTPS
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GAO RFID Inc.

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Product Overview

4-Port UHF RFID Reader

(236016)



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