



This UHF RFID reader/writer features supports for PoE and has 2 and 4 antenna port configurations.

This UHF Gen 2 RFID reader/writer delivers increased application flexibility via new features such as support for Power over Ethernet (PoE), which simplifies deployment and dramatically reduces cost by eliminating the need for AC outlet installation at read points. It also reduces green house gas (GHG) emissions. With a more compact form factor, the reader/writer enables a wide range of installation options. Selection of two or four monostatic antenna port configurations provides added flexibility.



Key Features

- ✓ 2 and 4 antenna port configurations
- ✓ Power over Ethernet
- ✓ Autopilot (automatically senses environment and configures settings for best performance)
- ✓ Enterprise-class management and monitoring
- ✓ Support for industry-leading software vendors such as Microsoft and IBM
- ✓ Industry standard application interfaces with support for EPC
- ✓ Global Low Level Reader Protocol (LLRP) v1.0.1
- ✓ Industry's best sensitivity
- ✓ Innovative features to enable read zone containment and eliminate stray reads
- ✓ High transmit power capable to overcome cable losses



Technical Specifications

Product	236015	236018
Air Interface Protocol	EPC Global Class 1 Gen 2/ISO 18000-6C	
Weight	Approx. 430tags/s	Approx. 300tags/s
Supported Regions	US, Canada and other regions following US FCC Part 15 regulations	
	Europe and other regions following ETSI EN 302 208 v1.2.1 without LBT regulations	
	Brazil	
Antennae	4 high performance, monostatic antenna ports optimized for Impinj reader antennae (RP TNC)	
	2 high performance, monostatic antenna ports optimized for Impinj reader antennae (RP TNC)	
Transmit Power	10.0 to 30.0dBm (PoE)	
	10.0 to 32.5dBm (external universal power supply)	
Max. Receive Sensitivity	-82dBm	
Max. Return Loss	10dB	
Network Connectivity	10/100BASE-T auto-negotiate (full/half) with auto-sensing MDI/MDX for auto-crossover (RJ-45)	
IP Address Configuration	DHCP	
	Static	
	Link Local Addressing (LLA) with Multicast DNS (mDNS)	
Time Synchronization	Network Time Protocol (NTP)	
Management Interfaces	Impinj RShell Management Console using serial management console port, telnet or SSH; SNMPv2 MIBII; EPC global Reader Management v1.0.1; Syslog	
Reliable Firmware Upgrade	Dual image partitions enable smooth transition to new firmware while the reader is still operating	
	Selectable upgrade mechanism enables simultaneous	



	scheduled upgrades of multiple readers
Management Console	RS-232 using a standard Cisco-style management cable (DB-9 to RJ-45)
	Baud rate: 115200, Data: 8bit, Parity: none, Stop: 1bit, Flow control: none
USB	USB1.1 device (type B) and Host (type A) ports
GPIO	4 inputs, optically isolated 3 to 30V; 4 outputs, optically 0 to 30V, non-isolated 5V, 100mA supply (DB-15)
Power Source	Power over Ethernet (PoE) IEEE 802.3af
	24V VDC, 800mA via external universal power supply with locking connector-sold separately (maximum is 31.5dBm for ETSI region readers)
Environmental Sealing	IEC IP52
Operating Temperature	-20°C to 50°C
Humidity	5% to 95%, non-condensing
Dimensions (H x W x D)	7.5in x 6.9in x 1.2in (19cm x 17.5cm x 3cm)
Weight	1.5lbs (24.5oz)
RoHS	Compliant to European Union directive 2002





GAO RFID Inc.

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Celebrating Over 15 Year of Innovation

Product Overview

**UHF Gen 2 RFID Reader/Writer
236015/236018**



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