



This UHF Gen 2 RFID reader/writer simplifies deployment and dramatically reduces cost by eliminating the need for AC outlet installation at read points.

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 compact form factor, the reader/writer enables a wider range of installation options.



Key Features

- ✓ 4 antenna ports
- ✓ Power over Ethernet
- ✓ Autopilot (automatically senses environment and configures setting for the 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

Model	236015			
Air Interface protocol	EPC Global Class 1 Gen 2/ISO 18000-6C			
Typical Throughout in Challenging Environment (Auto-set Dense Reader Mode for FCC)	Approx. 430 tags/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			
Transmit Power	10.0 to 30.0 dBm (PoE) 10.0 to 32.5 dBm (external universal power supply)			
Max Receive Sensitivity	-82 dBm			
Max. Return Loss	10 dB			
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	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 V to 30 V; 4 outputs, optically 0 V to 30 V, non-isolated 5 V, 100 mA supply (DB-15)			
Power Source	Power over Ethernet (PoE) IEEE 802.3 af 24 V DC, 800 mA via external universal power supply with locking connector-sold separately			
Power Consumption	Idle	Typical	LDC	
	PoE at 30 dBm	3 W	11.5 W	6 W
	Power Supply at 6	3 W	13.5 W	6 W



W 30 dBm

Power 3 W 15 W 6 W

Supply at
32.5 dBm

(*maximum is 31.5 dBm for ETSI region readers)

Environmental Sealing	IEC IP52
Operating Temperature	-20 °C to 50 °C
Humidity	5% to 95%, non-condensing
Dimensions	7.5 in × 6.9 in × 1.2 in (19 cm × 17.5 cm × 3 cm)
Weight	1.5 lbs (24.5 oz)
RoHS	Compliant to European Union directive 2002/95/EC



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