The RFID reader provides EPC Global Low Level Reader Protocol (LLRP) for easy integration into existing back end infrastructure including wireless LANS, Microsoft BizTalk and IBM WebSphere.

This highly integrated 2-port UHF Gen2 RFID reader offers two mono-static antenna ports and is compliant with EPCglobal Class1 Gen 2 and ISO 186000-6C standards. This innovative RFID reader provides integrated Power over Ethernet (PoE), which simplifies deployment and reduces cost by eliminating the need for AC outlet installation at read points. Installation of the low profile reader is quick and easy. Snap the reader into the supplied bracket and, with the supplied, software, auto discovery will locate the device once it is plugged into the network. The reader can then be managed and configured with remote tools that provide pre-configured files for simplified set up. The RFID reader provides EPC Global Low Level Reader Protocol (LLRP) for easy integration into existing back end infrastructure including wireless LANS, Microsoft BizTalk and IBM WebSphere. In addition, it also has the ability to host third party applications which simplifies application deployment.

Key Features

- Intel XScale® CPU with 64 MB DRAM and 64 MB Flash memory to run complex RFID applications

- Compliant with EPCglobal Class1 Gen 2 and ISO 186000-6C standards

- Supports EPC Dense Reader Mode (DRM)

- EPC standards-based defined reader management

- Power over Ethernet (PoE), auto-discovery for easy configuration

- Features Web-based configuration and remote firmware upgrade capabilities

- Easy to deploy, use and manage

Technical Specifications

Frequency	902 MHz to 928 MHz, 865 MHz to 868 MHz
Power Output	15 dBm to 30 dBm
Memory	Flash 64 MB; DRAM 64 MB
Operating System	Microsoft® Windows® CE 5.0
Management Protocols	RM 1.0.1 (with XML over HTT P/HTT PS and SNMP binding); AirBEAM firmware upgrade (Level 2 support)
Network Services	DHCP, HTT PS, FTPS, SSH, HTT P, FTP, Telnet, SNMP and NTP
Air Protocols	ISO 18000-6C (EPC Class 1 Gen 2)
IP Addressing	Static and Dynamic
Host Interface Protocol	LLRP
API	.NET and C
Firmware Upgrade	Web-based and remote firmware upgrade capabilities
Connectivity	
Communications	10/100 BaseT Ethernet (RJ45) w/ POE; USB Client (USB Type B)
General Purpose I/O	2 inputs, 2 outputs, optically isolated (Terminal Block)
Power Supply	+24 V DC or POE (IEEE 802.3af)
Antenna Ports	2 mono-static ports (Reverse Polarity TNC)
Compliance	
Safety	UL 60950-01, UL 2043, IEC 60950-1, EN 60950-1
RF/EMI/EMC	FCC Part 15, RSS 210, EN 302 208, ICES-003 Class B, EN 301 489-1/3
SAR /MPE	FCC 47CFR2:OET Bulletin 65; EN 50364
Other	RoHS, WEEE
General Characteristics	
Dimensions	7.7 in. x 5.9 in. x 1.7 in. (19.56 cm x 14.99 cm x 4.32 cm)
Weight	1.8 lbs ± 0.1 lbs (0.82 kg ± 0.05 kg)
Housing Material	Die-cast aluminum, sheet metal and plastic
Visual Status Indicators	Multicolor LEDs: Power, Activity, Status and Applications
Mounting	Keyhole and standard VESA (75 mm x 75 mm)
Operating Temperature	-4 °F to 131 °F/ -20 °C to 55 °C
Storage Temperature	-40 °F to 158 °F/ -40 °C to 70 °C
Humidity	5% to 85%, non-condensing

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