Transmits /Receives With Four Multiplexed Antenna to Cover the Larger Space and gives a High performance on multi-tag reading.

DESCRIPTION

Energywin RFID Reader is based on improved Generation 2 RFID. The reader is compatible with multi protocols and is designed to connect with multiplexed four antenna interface. It is also programmed for faster reading, multitag identification and with a standard industry grade protective enclosure.

FEATURES

- Compatible with EPC global UHF Class 1 Gen 2 / ISO 18000-6C.
- Four High Performance Antenna Ports.
- Capable of High efficiency and multi-tag identification.
- Multiplexed antennas to cover Larger Space.
- Wifi Capability to connect to existing network (DHCP/Configurable static IP) or creates its own network to allow users to connect.
- Web Server for online data verification / Local Data verification tool.
- Local Configuration tool to allow users to modify the Settings.

TECHNICAL SPECIFICATIONS

Standards:	
Air Interface Protocol	EPC global UHF Class 1 Gen 2 / ISO 18000-6C
RFID Frequency Range	ISM 867 to 867.5 MHz
Antennas	4 high performance antenna ports
Communication Range	2-4 meters
Transmit Power	0-20dBm, software configurable
Max Receive Sensitivity	- 86dBm
Real Time Clock	Internal RTC
Wireless Connectivity:	
Wireless Network Connectivity	Wi-Fi 2.4 GHZ
Wireless Protocol	IEEE 802.11b/g/n
Connection Type	Infrastructure/ AD-HOC
IP Address Configuration	DHCP Client/ Link local Addressing
Communication	TCP Client
Wired Connectivity	
UART	DB9 Connector
	Baud rate: 115200; (8,N,1)

USB	USB Virtual COM Serial Port for embedded applications
General Characteristics:	
Operating Voltage	+ 5vDC
Operating temperature	0 to 60 °C
Humidity	5% to 85%, non-condensing
Dimensions (H x W x D) in mm	30 x 150 x 105
Ingress Protection	IP20 Protection
Visual Status Indicators	Activity and Status
Alerts	Buzzer Alerts
Mounting	Wall Mountable
Software	
Configuration Utility	Yes
Demo Application	Yes
Integration Software	Command Layer Interface

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
EWT-0010-RFID-PASS-4PORT-WIFI-RS232 -USB	4 PORT RFID PASSIVE READER WITH WIFI , USB AND RS232
EWT-0010-RFID-PASS-4PORT-RS232-USB	4 PORT RFID PASSIVE READER WITH USB AND RS232

CIRCULAR POLARIZATION ANTENNA

Features

Rugged industrial grade antenna with a gain of 8dBi suitable for outdoor applications. Placed in ABS enclosure with water and dust proof mechanism.

Specifications	
Operating Frequency	860-920 MHz
Bandwidth	26MHz
Gain	8 dBi
Half Power Angle	60 degrees
V.S.W.R	<=1.1
Maximum Power	100W
Resistance	50 ohms
Polarization Mode	Circular Polarization
Connector	N Type Female Connector
Antenna Casing	ABS
Temperature	-40 deg C to +70 deg C
Net Weight	1 Kg
Product Dimension	254mmX254mmX38mm(LXWXH)

ORDERING INFORMATION

PART NUMBER	DESCRIPTION
EWT-0100-RFID-PASS-ANT-8DBI-CONNTYPE	8Dbi Circular polarization antenna with N type connector