Industrial Interface *The Signal Conditioning People*

Z-PORT

ZIGBEE TO ETHERNET or RS232 GATEWAY

- 2.4GHz ZigBee to Ethernet Gateway

- Enables easy add-on of wireless networks to existing Ethernet systems

- Allows a single remote sensor to be incorporated into an Ethernet network without the need for expensive cabling
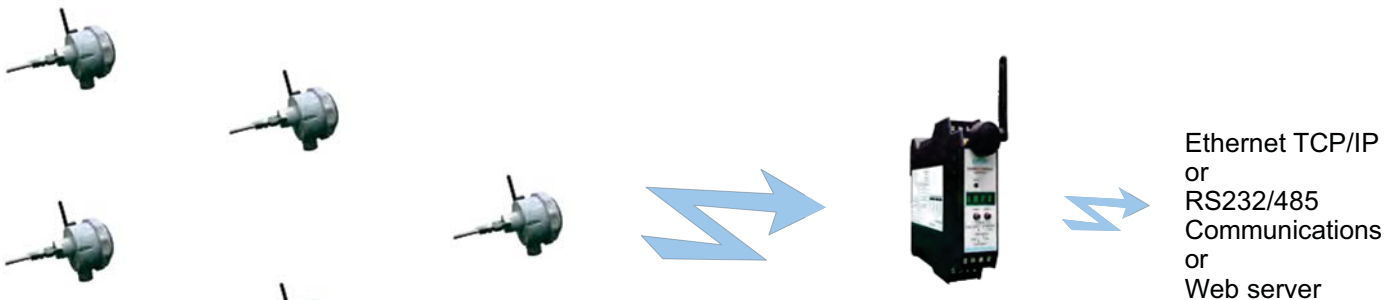
- RS232/485 version also available

Description

The **Z-PORT Ethernet Gateway** provides a link between ZigBee based wireless sensors and sensor networks and Industrial Ethernet or RS232 networks.

This allows ZigBee based wireless networks or individual sensors to be incorporated into new or existing Industrial Ethernet data monitoring and control networks.

The Z-PORT has been carefully designed to support a range of network systems including sophisticated self-forming and self-healing mesh networks, to ensure that data gets to its destination.
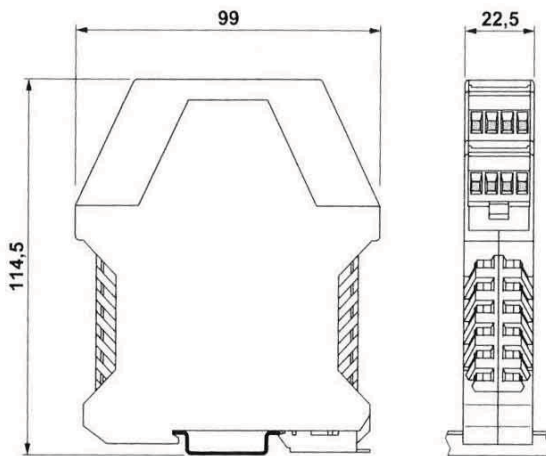
The Z-PORT can interface with standard10/100BaseT Ethernet networks giving access to the standard MODBUS TCP protocol, ensuring compatibility with most industrial automation systems.

Ethernet TCP/IP
or
RS232/485
Communications
or
Web server

Multiple battery powered sensors transmit data at programmable intervals to a
Z-PORT Network Coordinator which can transfer the data onto an Ethernet or RS232/485 network,
Data from up to 256 nodes can be stored on one Z-PORT module and up to 16 networks can co-exist together.
Several different topologies are possible including Mesh self-healing wireless networks

Parameter	Min	Typ	Max	Comments
Supply Voltage	16	24V	30	
Supply Current (mA)	100		120	24 V dc supply
Ethernet Interface				10Base-T or 100Base-T
Connector		RJ45		
Protocols				TCP/IP UDP/IP others available
RS232 Data Rate		2400		300 to 115,200 baud
Data bits		7 or 8		
Parity				Odd / even / none
Isolation voltage	1kV			
Operating Ambient	0ºC		55ºC	
Relative Humidity	0%		90%	
Surge Voltage		2.5kV for 50µS		Transient of 10kV/µS
Notes		Local LED display can display sensor values in real engineering units and Z-PORT set-up information		

Installation Data	
Mounting	DIN Rail TS35
Orientation	Any
Connections	Screw Clamp with pressure plate
Conductor size	0.5-4.0mm
Insulation Stripping	12mm
Weight	Approx 120g

Connection Details
1.   Power Supply -ve
2.   Power Supply +ve

Ordering Information	
Please supply:	
Part Number:	Z-PORT
Power Supply:	24 Vdc
Options:	RS232/485 version specify Z-PORT-RS