

Wireless Sensors & Systems

Z-PORT

WIRELESS TO ETHERNET or RS232/485 GATEWAY



- ❑ 2.4GHz Wireless to Comms Gateway
- ❑ Enables easy add-on of wireless networks to existing Ethernet or RS232/485 systems
- ❑ Allows a single remote sensor to be incorporated into an Ethernet network without the need for expensive cabling
- ❑ RS232/485 version also available

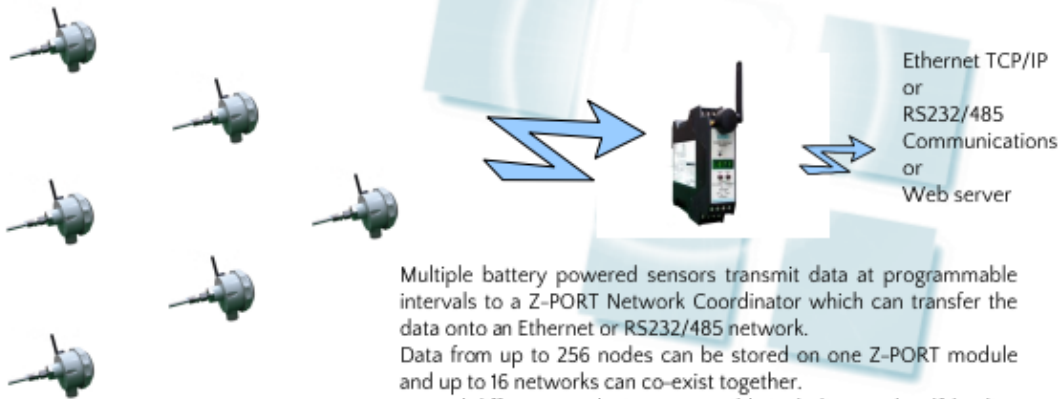
Description

The **Z-PORT Ethernet Gateway** provides a link between ZigBee based wireless sensors and sensor networks and Industrial Ethernet or RS232/485 networks.

This allows Industrial Interface wireless networks or individual sensors to be incorporated into new or existing Industrial Ethernet or RS232/485 data monitoring and control networks.

The Z-PORT has been carefully designed to support a range of wireless topologies including sophisticated self-forming and self-healing mesh networks, to ensure that data gets to its destination.

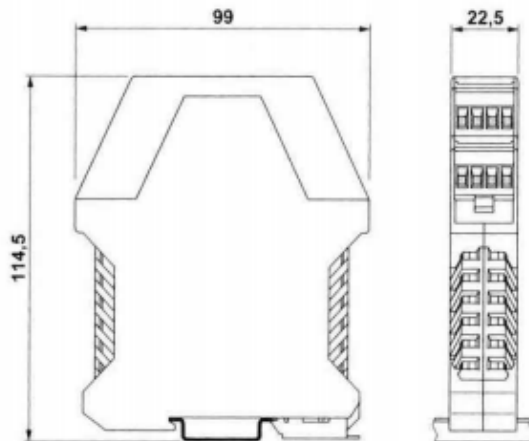
The Z-PORT can interface with standard 10/100BaseT Ethernet networks giving access to the standard MODBUS TCP protocol, ensuring compatibility with most industrial automation systems. MODBUS RTU is available when an RS232/485 network is used.



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 characteristics				
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	0°C		55°C	
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	24Vdc
Options	Please specify Ethernet, RS232 or RS485 communications port.