



## Wireless Sensors & Systems

### Z-PORT-COMM

#### WIRELESS RECEIVER WITH GPRS MODEM



- ❑ 2.4GHz Wireless Receiver with Relay and communications outputs
- ❑ Optional built-in GPRS modem for transmission of data.
- ❑ Relay outputs can be used for alarm setpoints or sensor failure indication
- ❑ Data logging option available

#### Description

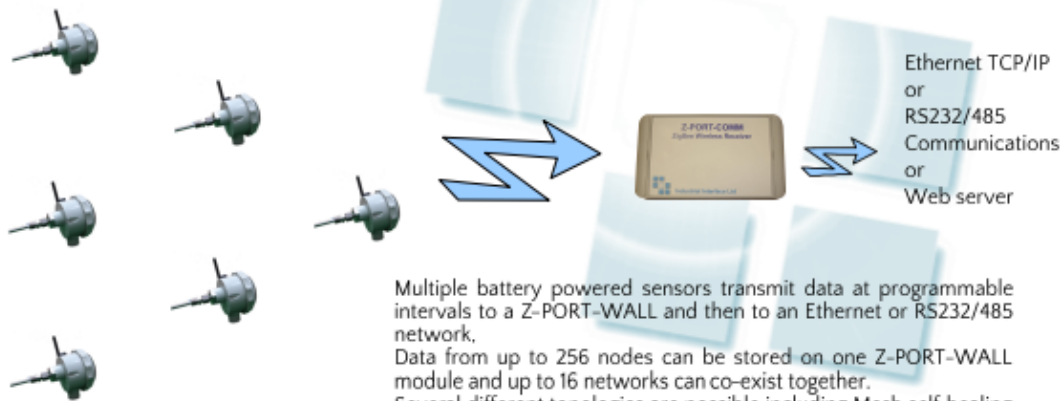
The Z-PORT-COMM is a wall mounting wireless receiver unit which can be used with any of Industrial Interface's range of wireless transmitters and routers.

It features either an RS232, RS485 or Ethernet communications so that all sensors values can be read using either Modbus TCP or Modbus RTU protocols.

It also features data logging and GPRS modem options, meaning the unit can store data which can then be uploaded to a webserver at programmable intervals

The Z-PORT-COMM also has four relays which can be used as alarm contacts or sensor failure indicators.

As all the hardware & software is done in-house, custom configurations are easily achievable.



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



Technical specifications				
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
3	Relay 1 Common
4	Relay 1 N.C
5	Relay 1 N.O
6	Relay 2 Common
7	Relay 2 N.C
8	Relay 2 N.O
9	Relay 3 Common
10	Relay 3 N.C
11	Relay 3 N.O

Ordering information	
Please Supply	
Part Number	Z-PORT-COMM
Power Supply	24 Vdc
Options	Specify Communications Port required Data logging & GPRS modem options