



# E-PORT

## RS232/485 TO INDUSTRIAL ETHERNET CONVERTER

- Enables existing equipment with RS232 comms to link to Ethernet Networks
- MODBUS TCP Protocol Stack, other protocols available
- 10/100 Mbps Ethernet (RJ45)
- Useful local display



### Description

The E-PORT Ethernet Gateway module provides a straight forward method of connecting almost any device with serial communications to a new or existing Ethernet.

The unit obtains the relevant data from the serial device and stores these values before forwarding them on demand to the Ethernet network.

This enables limited distance serial RS232 or 485 communication links to be extended throughout the installation or onto the web.

Configuring the Ethernet connection is very straightforward using the MS Windows based device installer software. The unit also features a built-in web server for communications with a device via a standard Internet Browser.

This web capability can be used for remote configuration and real time monitoring.

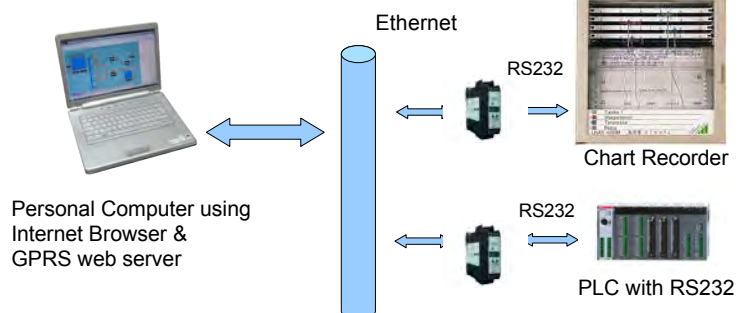
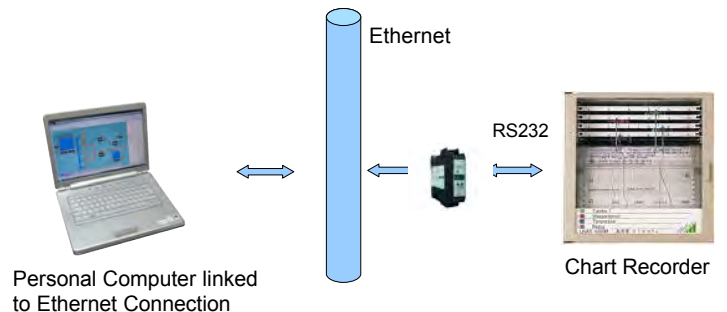
Using the E-PORT is a simple way incorporate an Ethernet network onto any existing measurement and control system in a straightforward and reliable fashion.

Applications include:

- Asset Monitoring and tracking
- Remote monitoring of existing plant
- Upgrade to existing Control systems

Because the E-PORT has been designed by Industrial Interface our software engineers are available to customise this product to work with almost any serial device.

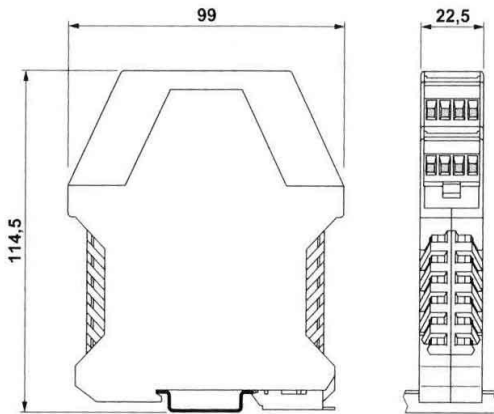
Example Application 1: Remote monitoring of existing Chart Recorder through Ethernet link.



Example Application 2: Remote monitoring of legacy equipment using Ethernet link and GPRS web server.



Parameter	Min	Typ	Max	Comments
Supply Voltage	16	24V	30	
Supply Current (mA)	65		140	24 V dc supply
Serial Interface		RS232		RS485 or 422 options
Data rates		2400		300 to 115,200 baud
Data Bits		7 or 8		
Parity				Odd / even / none
Ethernet Interface				10Base-T or 100Base-T
Connector		RJ45		
Protocols				TCP/IP UDP/IP etc
Temp Coefficient			±100ppm/°C	
Operating Ambient	0°C		70°C	
Relative Humidity	0%		90%	
Isolation Voltage <small>see note 1</small>	1kV			
Surge Voltage	2.5kV for 50µS			Transient of 10kV/µS
Notes	Local LED display can be used to display RS232 variables Figures based on 24 Vdc supply 20 degC ambient.			



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

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

Ordering Information	
<b>Please supply:</b>	
<b>Part Number:</b>	E-PORT
<b>Serial Comms:</b>	e.g RS232
<b>Protocol</b>	MODBUS TCP or other
<b>Power Supply:</b>	24 Vdc
<b>Options:</b>	Custom configuration