



# E-BRIDGE

## POINT TO POINT WIRELESS ETHERNET BRIDGE

- Plug and play Ethernet secure wireless bridge, data rate up to 108 Mbps
- 5 Ghz IEEE 802.11a WiFi Band
- 10/100 Base Tx RJ45 auto-sensing network interface
- 300m line of sight range, 1.5km up to 50km systems also available



### Description

The E-BRIDGE wireless Ethernet cable replacement system provides a simple way extending the range of an Ethernet network without expensive wiring.

With a typical line of sight range of 300m and an indoor range of typically 60m the E-BRIDGE has many applications in the factory automation environment.

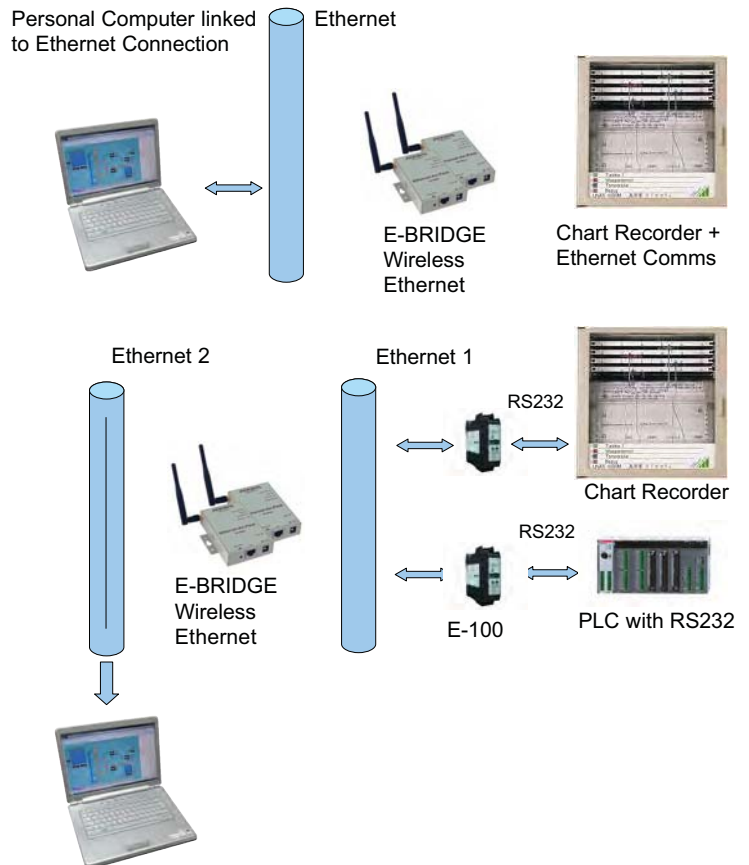
These include adding a remote piece of equipment to an existing network without the use of additional cabling and wirelessly connecting two existing Ethernet networks together.

The system requires no complicated configuration, just connect the power supplies and RJ45 terminals and the system is ready to go.

The E-BRIDGE uses the WiFi 5GHz (IEEE 802.11a) wireless band so avoiding any interference with existing, more common 2.4Ghz band systems.

By using pre-configured WPA2-PSK security and a hidden SSID the system provides a secure, simple to fit, cost effective solution.

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



### Example Application 2: Connection of two Ethernet networks using the E-BRIDGE wireless bridge.



# Industrial Interface *The Signal Conditioning People*

Parameter	Min	Typ	Max	Comments
Supply Voltage		5V		Supply available
Supply Current (mA)		700mA	1000mA	5 V dc supply
Radio Network				WiFi IEEE 802.11a compliant
Data rates			108 Mbps	
Transmitter		+ 20 dBm		5 Ghz 2 dBi antenna
Receiver		-92 dBm		5 GHz 2 dBi antenna
Dimensions		103x67x23		L x W x H in mm
Connectors		RJ45		
Operating Ambient	0°C		70°C	
Relative Humidity	5%		95%	non-condensing
Storage Temperature	-40°C		80°C	
Notes:				

Installation Data	
<b>Mounting</b>	Wall mounting
<b>Orientation</b>	Any
<b>Connections</b>	RJ45
<b>Weight</b>	Approx 225g
<b>Dimensions</b>	103 x 67 x 23 mm
	L x W x H

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

Ordering Information	
<b>Please supply:</b>	
<b>Part Number:</b>	E-BRIDGE PACK
	Point to point wireless Ethernet bridge kit including two independent radio units with 2 dBi antennae, two 5Vdc supplies and two RJ45 cross over Ethernet cables (1 meter)