

MODEL NUMBER: XEL900-0-0-GB-XX

IMPROX EL

ImproX (EL) Etherlink INSTALLATION MANUAL

SPECIFICATIONS

Working Environment	Designed to work in an indoor (dry) environment similar to IP20. The Converter is, therefore, not sealed against water.	
Input Voltage	10 V DC to 30 V DC, polarity sensitive.	
Power Requirements	Current (mA)	Power (W)
Minimum Supply Voltage		
10 V DC	170	1.7
Maximum Supply Voltage		
30 V DC	55	1.7
Ethernet Port		
Configuration.....	Standard Ethernet RJ45 connector. 10/100 Mbps, half or full duplex.	
RS485 Port	Up to 64 Controllers multi-dropped.	
Installer Interfaces		
Power Indicator		
Power LED	Blue LED (externally visible).	
Diagnostic Indicators		
Incoming RS485 Data	Flashing Green LED (internally visible).	
Outgoing RS485 Data	Flashing Red LED (internally visible).	

Blank Space

INSTALLATION INFORMATION

Accessories

Find the following when unpacking the ImproX EL:

- The ImproX (EL) Etherlink housed in a Black powder-coated Aluminium extruded Cabinet. The Cabinet will consist of a Top Cover and Base, sealed at each end with a Nylon End Plate, secured with 3 Thread Cutter Screws (M3 x 8 mm).
- One copy of Ethernet Device Configuration Utility Software on CD.
- Four Brass Wood Screws, 3.5 mm x 25 mm, Pan Head, Slotted.
- Four Wall Plugs, 7 mm, Plastic.
- A MAC Address Label.
- An extra Serial Number Label.

General

Remember the following when installing your ImproX EL:

Communications Distance

- The RS485 communications distance between the ImproX EL and the LAST ImproX Controller in the cable run, **MUST NOT** exceed 1 km (1 090 yd). Achieve this by using good quality screened twisted 2-pair cable, earthed on one side.
- The Etherlink plugs into an Ethernet Switch or Hub (or other network device); cable runs for this must conform to ethernet cabling specifications.

EARTH Connection

Connect the ImproX EL to a good EARTH point. Using the RS485 Port, connect the EARTH Lead to the “SHD” Terminal. Mains EARTH can be used, but electrical noise may exist.

FCC Compliance

For FCC compliance:

- Ensure the comms cable is routed through a separate grommet to the power cable.
- Ensure that you use a CE approved Power Supply Unit.

Mounting the Enclosure

CAUTION: Make certain that you mount the ImproX EL on a vibration-free surface.

Select the mounting position of the ImproX EL, considering accessibility, routing of wires and visibility of the externally visible LED.

Secure the enclosure to the mounting surface, using four suitable screws and wall plugs (supplied), nuts and bolts, rivets or double-sided adhesive tape.

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ImproX EL Configuration

Figure 1 shows the Converters relationship with the rest of the ImproX product range.

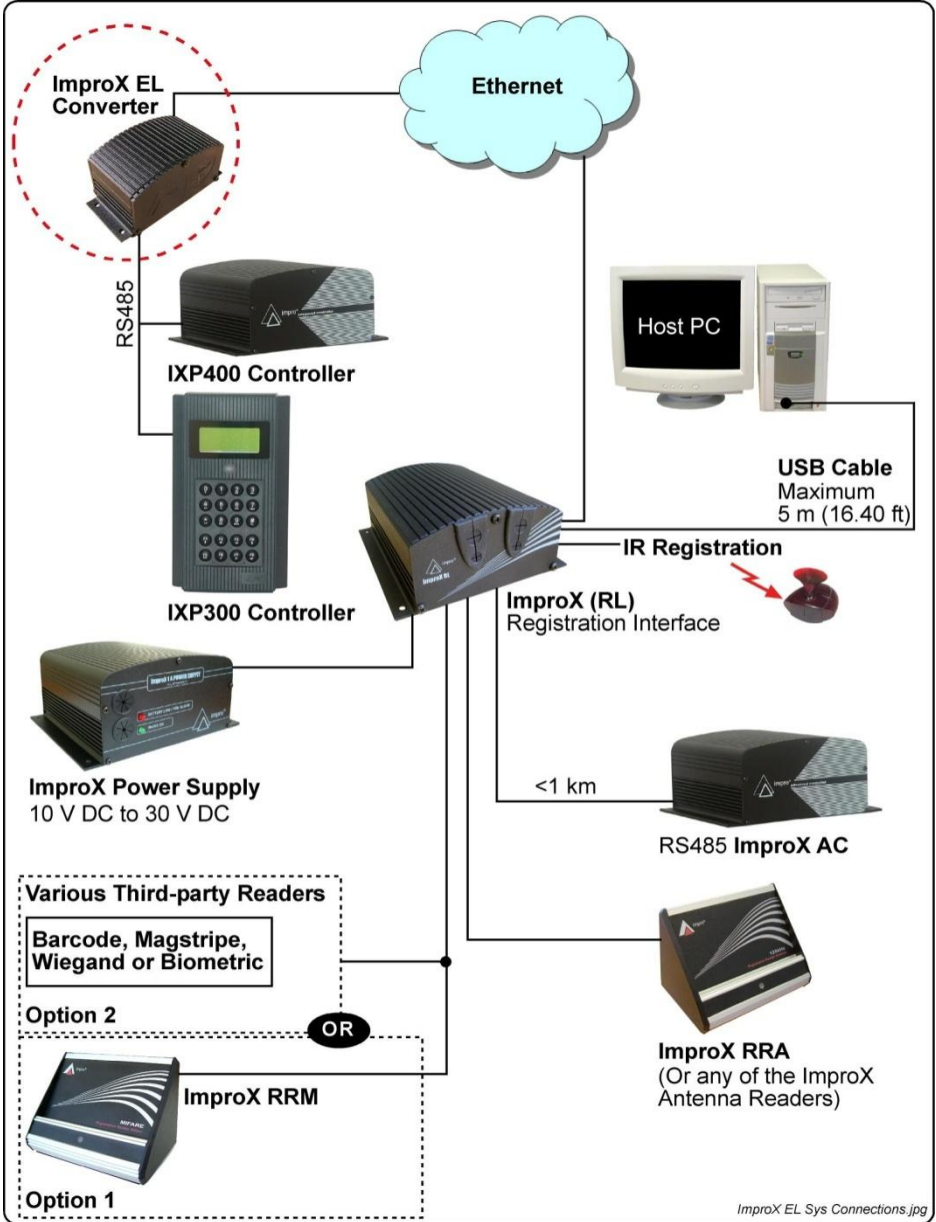


Figure 1: Configuration Diagram

Connecting the ImproX EL

Figure 2 shows a detailed connection diagram for the ImproX (EL) Etherlink.

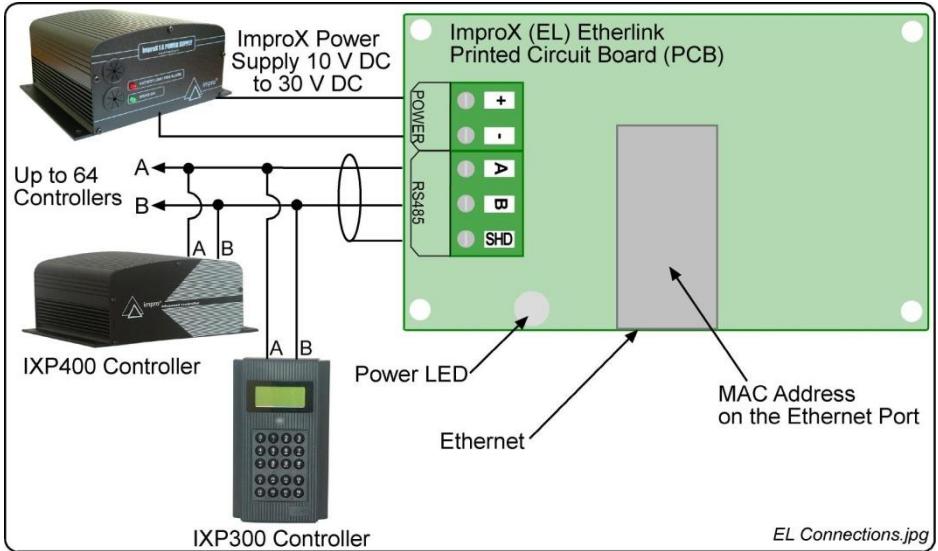


Figure 2: Typical ImproX EL Electrical Connections

Serial Number Label

The loose Serial Number Label (packaged with the ImproX EL) identifies the type of product and its Serial Number.

MAC Address

The MAC Address identifies the Lantronix® XPort™ component placed in each ImproX EL. The MAC Address and the description of the Etherlink's location are required by the Software Installer to enable an IP Address to be assigned to the Etherlink.

We recommend that you attach the MAC Address Label to the site plan in the Etherlink's installed location.

GUARANTEE OR WARRANTY

This product conforms to our Guarantee or Warranty details placed on our Web Site, to read further please go to www.impro.net.

USER NOTES

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This manual is applicable to the ImproX (EL) Etherlink, XEL900-0-0-GB-03. (The last two digits of the Impro stock code indicate the issue status of the product).

XEL300-0-0-GB-06

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