

# Link150 Ethernet gateway

The Link150 gateway provides fast, reliable Ethernet connectivity in the most demanding applications, from a single building to a multi-site enterprise. This gateway supports meters, monitors, protective relays, trip units, motor controls and other devices that need to communicate data quickly and efficiently. It is your simple, cost-effective serial line to full Ethernet connectivity.

## Applications

- Energy management
- Power distribution
- Building automation
- Factory automation

PB115427



The solution for

All markets that can benefit from a solution that includes the Link150 gateway:

- Buildings
- Data centre
- Healthcare
- Industry
- Infrastructure
- Utility

Benefits

- Easy to install and setup
- Easy to maintain
- Advanced security feature
- Compatible with Schneider Electric software offerings
- Reliable Modbus to Ethernet protocol conversion

Energy and power management software

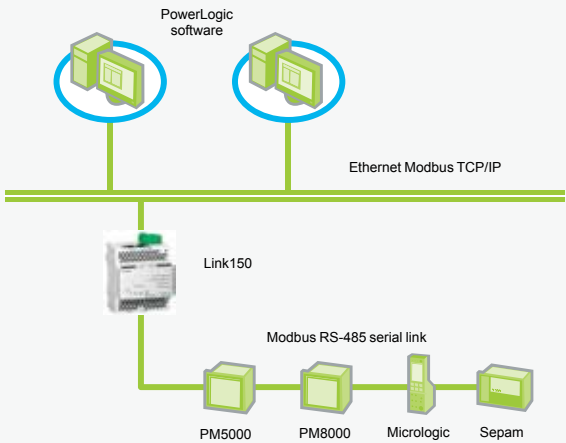
Powerlogic software is recommended as a user interface which provides access to all status and measurement information. It also prepares summary reports for energy and power management. The Link150 is compatible with

- EcoStruxure™ Power Monitoring Expert software
- EcoStruxure™ Power SCADA Operation

Conformity of standards

- |                                  |                |
|----------------------------------|----------------|
| • EN 55022/EN 55011/ FCC Class A | • EN 61000-4-4 |
| • EN 61000-6-2                   | • EN 61000-4-5 |
| • EN 61000-4-2                   | • EN 61000-4-6 |
| • EN 61000-4-3                   | • EN 61000-4-8 |
|                                  | • EN 60950     |

Architecture



Security

- Secure user interface including user's name and password for login
- Advanced security features to allow users to specify which Modbus TCP/IP master devices may access attached serial slave devices
- Modbus TCP/IP filtering feature
- Allows user to specify the level of access for each master device as Read-only or Full access
- Web pages provide easy configuration and setup

Commercial ref. no.	Product description
EGX150	Link150 Ethernet Gateway

# Link150 Ethernet gateway

## Technical specifications

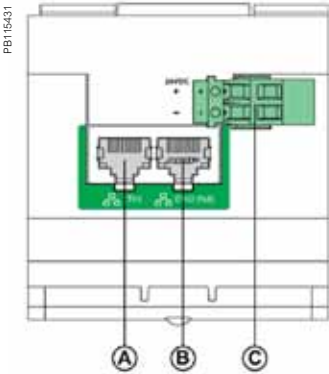
	Link150
Weight	175 g without packing
Dimensions (HxWxD)	72 x 105 x 71 mm
Mounting	DIN rail
Power-over-Ethernet (PoE)	Class 3
Power supply	24 V DC (-20/+10 %) or Power over Ethernet (PoE Class 3 IEEE 802.3 af) at 15 W
Consumption (typical)	24 V DC, 130 mA at 20 °C PoE 48 V DC, 65 mA at 20 °C
Ambient operating temperature	-25 to 70 °C
Ambient storage temperature	-40 to 85 °C
Humidity rating	5 % to 95 % relative humidity (without condensation) at +55°C
Pollution Degree	Level 2
IP Ratings	On the front panel (wall-mounted enclosure): IP4x Connectors: IP20 Other parts: IP30
Regulatory/standards compliance for electromagnetic interference	
Emissions (radiated and conducted)	EN 55022/EN 55011/FCC class A
Immunity for industrial environments:	
electrostatic discharge	EN 61000-6-2
radiated RF	EN 61000-4-2
electrical fast transients	EN 61000-4-3
surge	EN 61000-4-4
conducted RF	EN 61000-4-5
power frequency	EN 61000-4-6
magnetic field	EN 61000-4-8
Regulatory/standards compliance for safety	
Safety - IEC	IEC 60950
Safety - UL★	UL 60950 UL 61010-2-201
EMC	IEC 6100-6-2
Australia	C-tick - RCM
Sustainability	Green Premium
Serial ports	
Number of ports	2 (1 available at a time)
Types of ports	RS-232 or RS-485 (2-wire or 4-wire), depending on settings
Protocol	Modbus, Serial
Baud rates	19200 bps (factory setting), 2400 bps, 4800 bps, 9600 bps, 38400 bps, 56000 bps★★, 57600 bps★★
Maximum number of connected devices	32 (directly) 247 (indirectly)
Ethernet ports (used as a switch)	
Number of ports	2
Type of port	10/100BASE-TX (802.3af) por
Protocol	HTTP, Modbus TCP/IP, FTP, SNMP (MIB II)

★ Dual listed for US and Canada

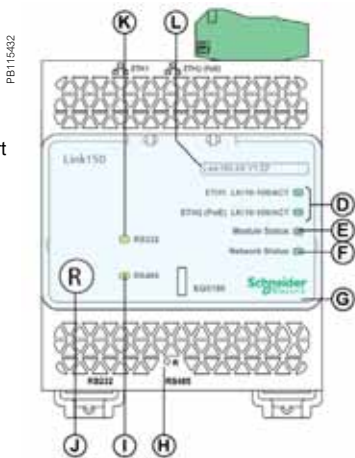
★★ Only available when Physical Interface is set to RS-232 and Transmission Mode is set to Modbus ASCII

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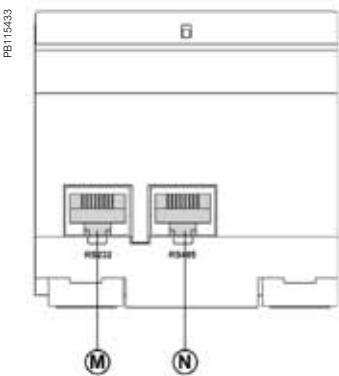
## Parts



- A Ethernet 1 communication port
- B Ethernet 2 (PoE) communication port
- C Midspan PoE injector

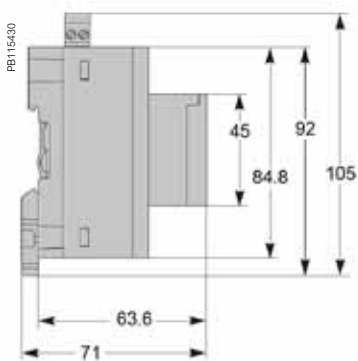


- D Ethernet communication LEDs
- E Module status LED
- F Network status LED
- G Sealable transparent cover
- H Reset pin
- I RS-485 traffic status LED
- J Device soft restart button (Accessible through closed cover)
- K RS-232 traffic status LED
- L Device name label

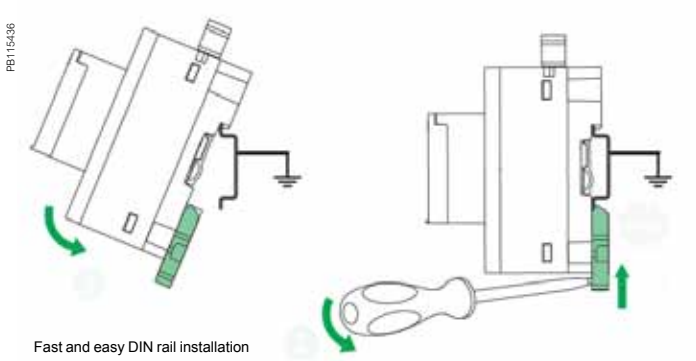


- M RS-232 port
- N RS-485 port

## Dimensions



## DIN rail mounting



See appropriate Installation Guide for this product.