

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



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

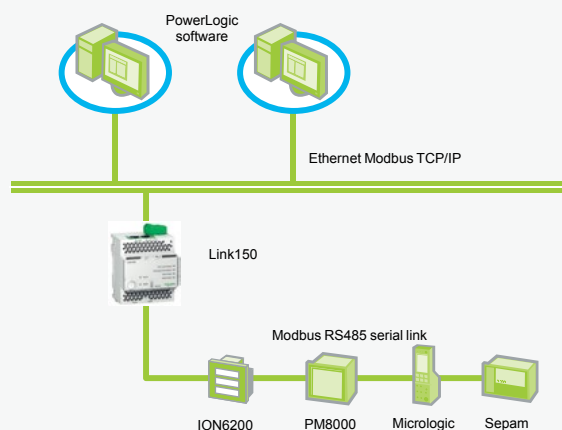
Powerlogic software is recommended as a user interface which provides access to all status and measurement information. It also prepares summary reports for energy and power management. Please see Page 114. The Link150 is compatible with

- StruxureWare Power Monitoring Expert software
- StruxureWare PowerSCADA Expert

Conformity of standards

- EN55022/EN55011/ FCC Class A
- EN 61000-4-4
- EN 61000-4-5
- EN 61000-6-2
- EN 61000-4-6
- EN 61000-4-2
- EN 61000-4-8
- EN 61000-4-3
- 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

| Ordering reference | Product description |
|--------------------|--------------------------|
| EGX150 | Link150 Ethernet Gateway |

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Technical specifications

| Link150 | |
|-------------------------------|--|
| Weight | 175 g (6.17 oz) without packing |
| Dimensions (HxWxD) | 72 x 105 x 71 mm (2.83 x 4.13 x 2.79 in) |
| 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 (-13 to +158 °F) |
| Ambient storage temperature | -40 to +85 °C (-40 to +185 °F) |
| 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) | EN55022/EN55011/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 | IEC60950 |
| Safety - UL* | UL 60950 UL 61010-2-201 |
| EMC | IEC6100-6-2 |
| Australia | C-tick - RCM |
| Sustainability | Green Premium |

Serial ports

| | |
|-------------------------------------|---|
| Number of ports | 2 (1 available at a time) |
| Types of ports | RS232 or RS485 (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)

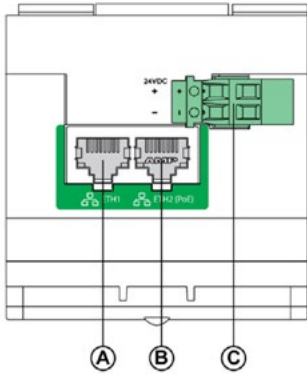
| | |
|-----------------|---|
| Number of ports | 2 |
| Type of port | 10/100 Base TX (802.3af) port |
| Protocol | HTTP, Modbus TCP/IP, FTP, SNMP (MIB II) |

* Dual listed for US and Canada

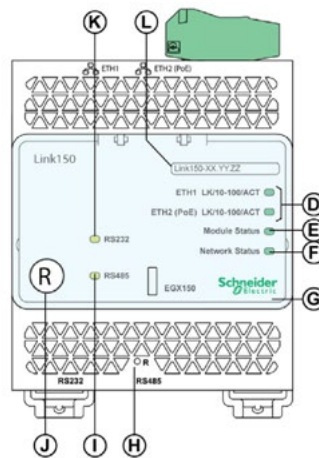
** Only available when Physical Interface is set to RS232 and Transmission Mode is set to Modbus ASCII

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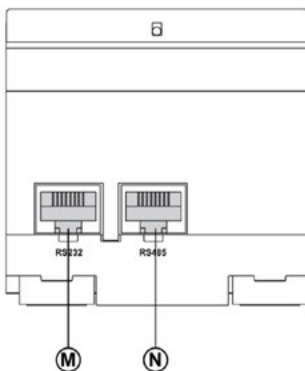
Parts



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

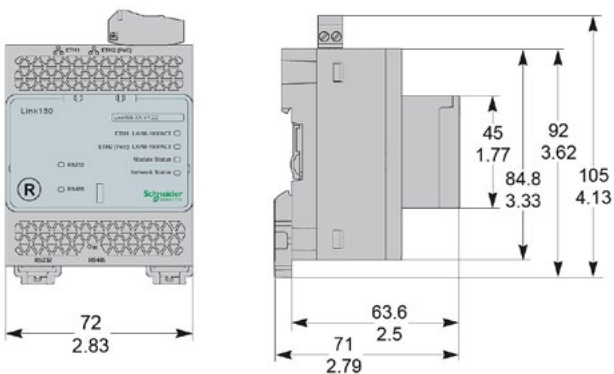


- Ⓓ Ethernet communication LEDs
- Ⓔ Module status LED
- Ⓕ Network status LED
- Ⓖ Sealable transparent cover
- Ⓗ IP reset pin
- Ⓘ RS485 traffic status LED
- ⓵ Device soft restart button (Accessible through closed cover)
- Ⓚ RS232 traffic status LED
- Ⓛ Device name label



- Ⓜ RS232 port
- Ⓝ RS485 port

Dimensions



DIN rail mounting

