

Link150 Ethernet gateway

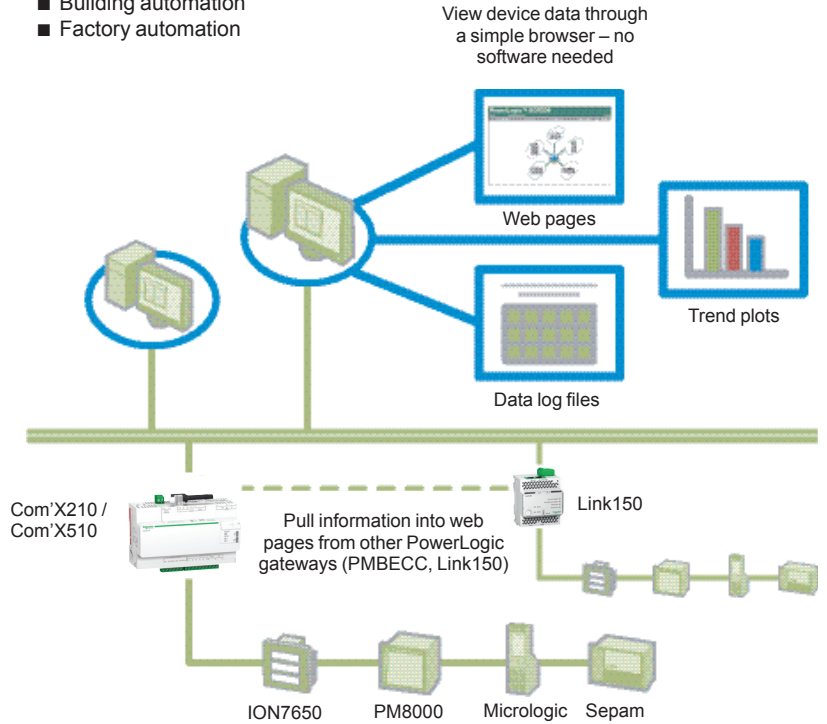


The Link150

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



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

Advantages

- Easy to install and setup
- Easy to maintain
- Compatible with Schneider Electric software offerings (StruxureWare Power Monitoring Expert, StruxureWare PowerSCADA Expert, etc.)
- Reliable Modbus to Ethernet protocol conversion

Part numbers

Powerlogic Link150	
Link150	EGX150

Contact your Schneider Electric representative for complete ordering information.

Link150 Ethernet gateway



Link150 front view

Characteristics

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 surge	EN 61000-4-3
conducted RF	EN 61000-4-4
power frequency	EN 61000-4-5
magnetic field	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)

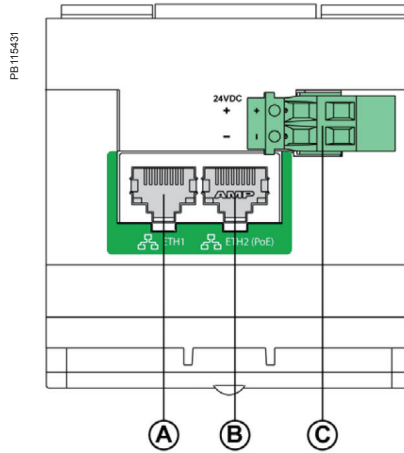
Number of ports	2
Type of port	10/100 Base TX (802.3af) port
Protocol	HTTP, Modbus TCP/IP, FTP, SNMP (MIB II)

* Dual listed for US and Canada

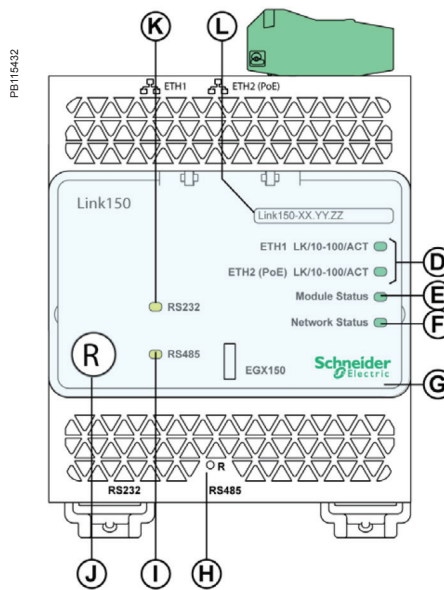
** Only available when Physical Interface is set to RS232 and Transmission Mode is set to Modbus ASCII

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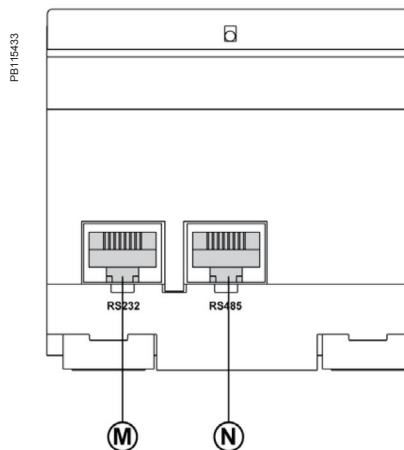
Parts



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



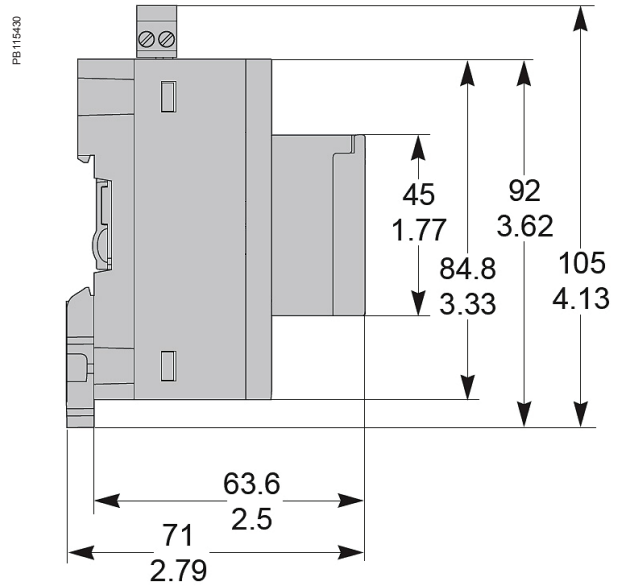
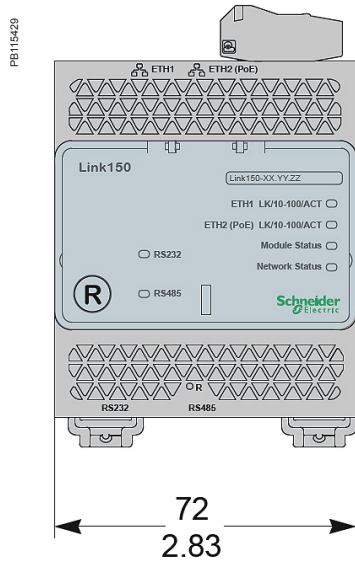
- Ⓓ Ethernet communication LEDs
- Ⓔ Module status LED
- Ⓕ Network status LED
- Ⓖ Sealable transparent cover
- Ⓗ IP reset pin
- Ⓘ RS485 traffic status LED
- Ⓙ Device soft restart button (Accessible through closed cover)
- Ⓚ RS232 traffic status LED
- Ⓛ Device name label



- Ⓜ RS232 port
- Ⓝ RS485 port

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Dimensions



DIN rail mounting

