Electrical network management

Schneider Electric

EM4300 Technical Datasheet

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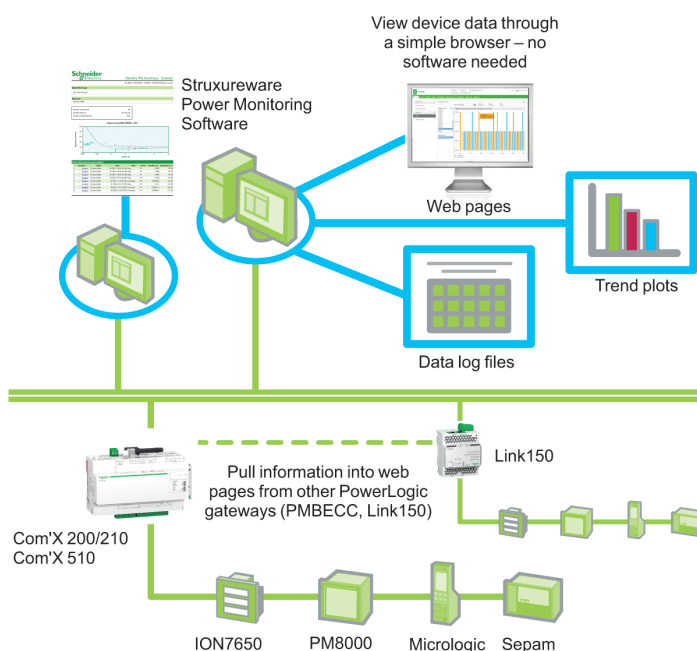
The Link150 gateway provides fast, reliable Ethernet connectivity in the most demanding applications, from a single building to a multi-site enterprise.
This gateway supports meters, monitors, protective relays, trip units, motor controls and other devices that need to communicate data quickly and efficiently.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

The Link150

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.).
■ Compatible with Com'X 200/210 and Com'X 510 Energy Servers.
■ Reliable Modbus to Ethernet protocol conversion.

Commercial reference numbers

Powerlogic Link150	Commercial ref. no.
Link150	**EGX150**
Modbus 3M cable RJ45 to free wires	**VW3A8306D30**

Contact your Schneider Electric representative for complete ordering information.

Link150
Ethernet gateway

Link150 front view

Characteristics	
	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 °C to 70 °C
Ambient storage temperature	-40 °C to 85 °C
Humidity rating	5 % to 95 % relative humidity (without condensation) at +55 ºC
Pollution Degree	Level 2
IP Ratings	On the front panel (wall-mounted enclosure): IP4x / Connectors: IP20 / Other parts: IP30

Regulatory/standards compliance for electromagenetic 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)

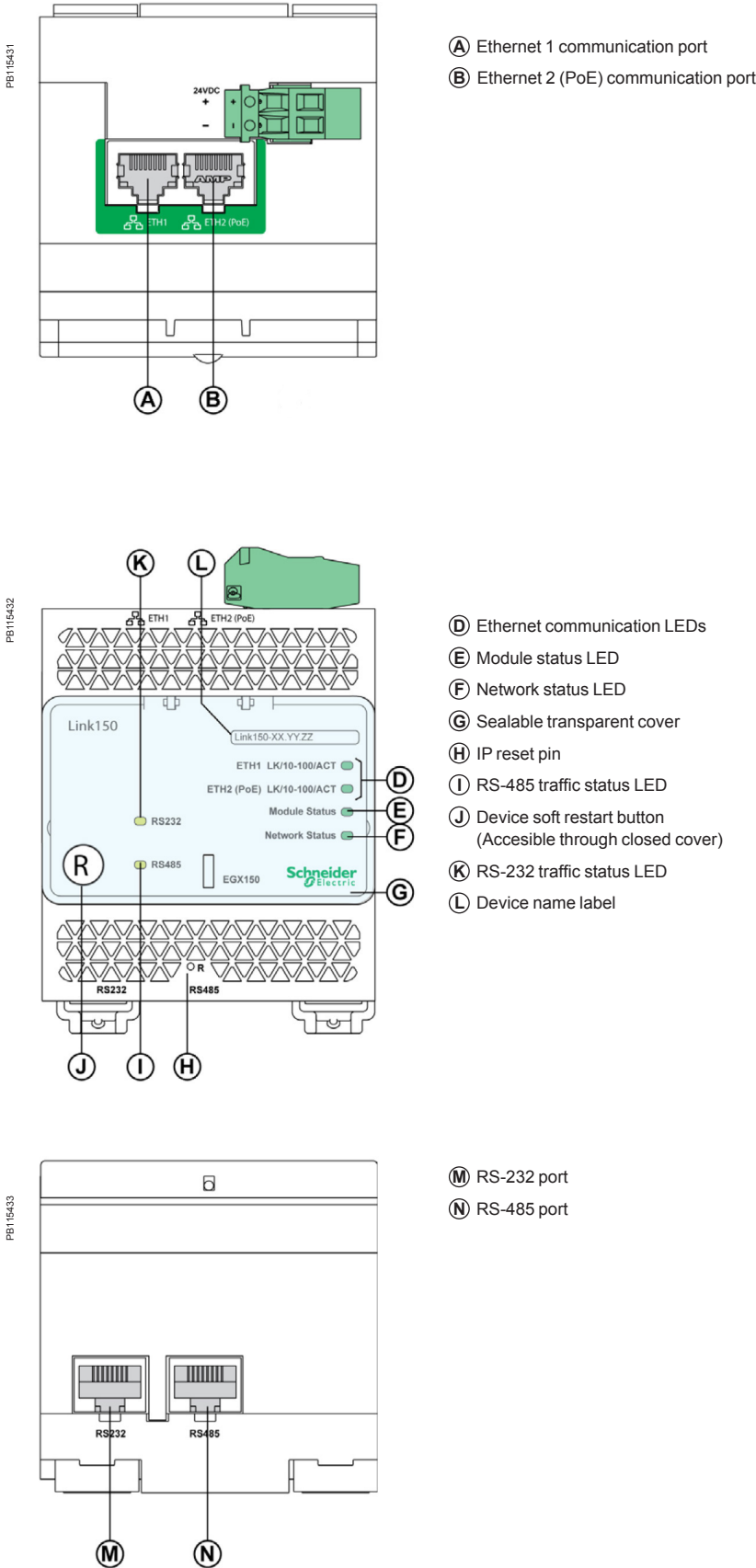| Ethernet ports (used as a switch)	
Number of ports	2
Type of port	10/100BASE-TX (802.3af) port
Protocol	HTTP, Modbus TCP/IP, FTP, SNMP (MIB II)

* Dual listed for US and Canada
** Only available when Physical Interface is set to RS-232 and Transmission Mode is set to Modbus ASCII
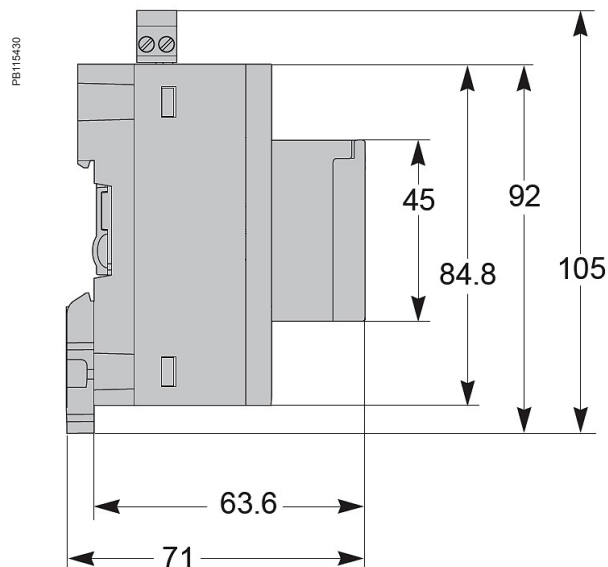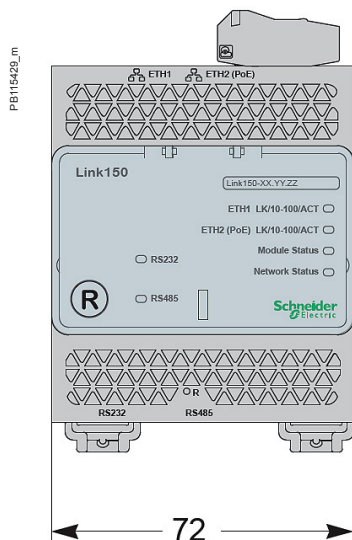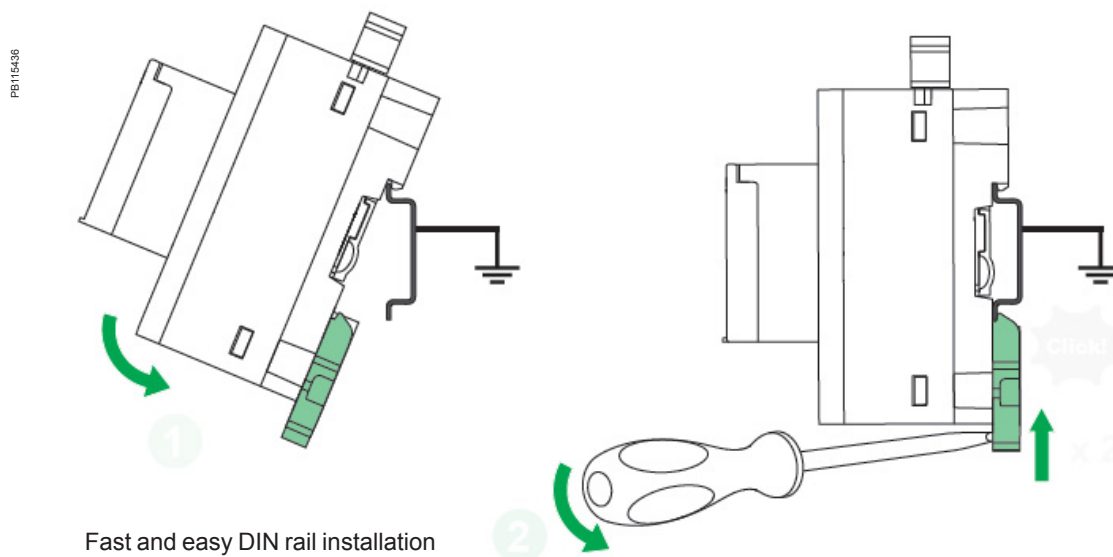
Link150
Ethernet gateway

Parts

A Ethernet 1 communication port
B Ethernet 2 (PoE) communication port

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

Link150

ETH1 LK/10-100/ACT
ETH2 (PoE) LK/10-100/ACT
Module Status
Network Status
RS232
RS485
EGX150
Schneider Electric

M RS-232 port
N RS-485 port

Link150
Ethernet gateway

Dimensions

DIN rail mounting

Fast and easy DIN rail installation

See appropriate Install Guide for this product.

Product name
PLSED310115EN

As standards, specifications and designs develop from time to time, please ask
for confirmation of the information given in this document.

Design: Schneider Electric
Photos: Schneider Electric

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have been awarded the Green Premium ecolabel

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