sateon™ ADVANCE

EZ IP Line Header

Part number: EZ-LH-ENET-485

The IP Line Header is used to connect an existing RS-485 field network to a Sateon IP network.

IP Line Headers connect directly to Sateon via an IP switch and no other data connection is required in order to work with Sateon.

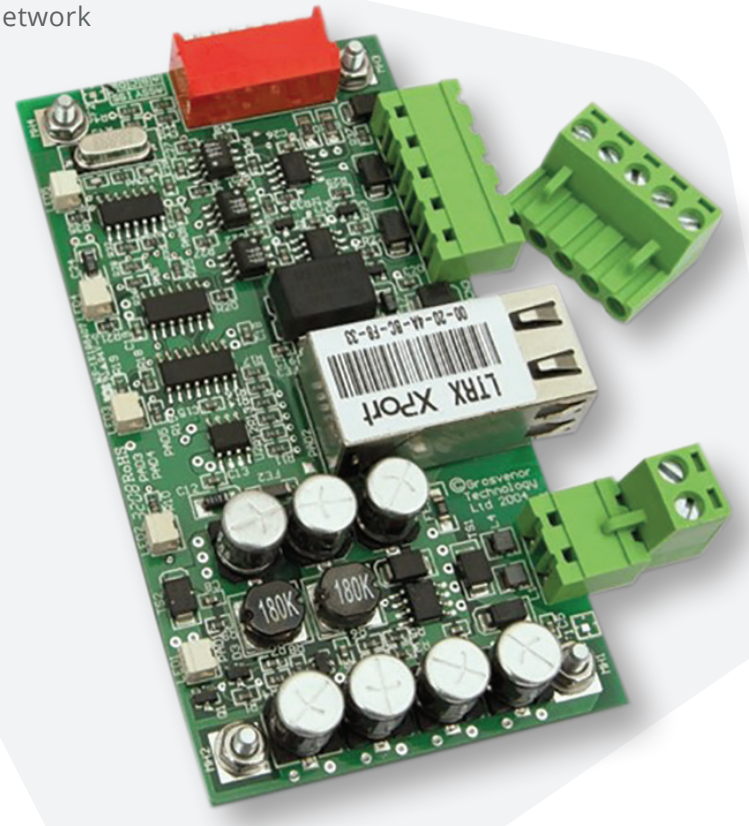
POE is supported by incorporating a Grosvenor Technology POE splitter or a specific POE enclosure, both of which include additional protection with individual fuses for auxiliary power, battery overload and battery charging circuits.

RS-485 controllers can be connected in-line with up to thirty-two controller nodes to form a Sateon 'Field Network'.

There is no limit to the number of RS-485 Comms Lines that can be connected to a Sateon system.

Key features

- IP to RS-485 2-wire converter (2-wire plus braid)
- Enables routing of RS-485 Field Network via a PC Network
- 10/100 BASE-T
- DHCP supported
- Option 128-bit Rijndael
  Advanced Encryption Standard (AES)
- Power over ethernet supported
- 32 controller nodes per Sateon Field Network
- 1,200 metres field network cable run supported
- No system limit for the number of IP Line Headers



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Dimensions (H x W x D)
105mm x 72mm x 18mm (board only)
385mm x 279mm x 78mm (with EZ-ENC-2A-230V enclosure)
385mm x 279mm x 78mm (with EZ-ENC-POE enclosure)
355mm x 305mm x 102mm (with EZ-ENC-NPU-UL enclosure)

Weight
60g (board only)
2.54kg (EZ-ENC-2A-230V enclosure only)
2.35kg (EZ-ENC-POE enclosure only)
3.6kg (EZ-ENC-NPU-UL enclosure)

Operating Temperature
0°C to 50°C (32°F to 122°F)

Power Requirement
10-16Vdc, 400mA maximum

Battery Back-up
Yes - requires enclosure with suitable PSU

Connectivity (Upstream)
10/100 BASE-T, DHCP supported

Optional Encryption
128-bit Rijndael Advanced Encryption Standard (AES)

Connectivity (Downstream)
2-wire (and braid) RS485

Field Network
1 x 32 nodes

Communication Speed
1,200 - 115.2Kbaud

Certification
BS EN 50122-1 + A1 1997 - Emissions and immunity standard for access control systems
BS EN 55022 class B 1998 - Emissions standard for information technology equipment
BS EN 50133-1 + A1 1997 - Immunity standard for access control systems
BS EN 61000-4-2 1995 - ESD requirements
BS EN 61000-4-3 + A1 2006 - Radiated susceptibility
BS EN 61000-4-4 1995 - Electrical fast transient burst requirements
BS EN 61000-4-5 1995 - Surges requirements
BS EN 61000-4-6 1996 - Conducted susceptibility
BS EN 61000-4-11 1994 - Voltage dips and interruptions
Following the provisions of EU EMC Directives 89/336/EEC and 92/31/EEC
UL 294 when used in conjunction with EZ-ENC-NPU-UL enclosure

Ordering Information
EZ-LH-ENET-485 EZ IP Line Header (board only)
EZ-ENC-2A-230V Enclosure/Panel c/w 230V 2A Mains PSU
EZ-ENC-POE POE Enclosure c/w POE splitter. Includes individual fused circuits for auxiliary power, batter overload and battery charging
EZ-POE-PSU 30W POE injector PSU
EZ-ENC-NPU-UL UL certified enclosure for use with EZ door and I/O controllers. A separate UL 294 PSU or POE injector is required

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