

LNL-400XAU

13.8VDC 3A max (IEEE 802.3bt)/1A max (IEEE 802.3at) Ultra PoE Power Supply (= LNL-200XAU-PSU) with LNL-400XA-ENC enclosure (500 x 400 x 85mm), includes front &

Product Overview

The new Lenel access control range of switch mode power supplies has been specifically designed to house all common Lenel access control door controllers & modules.

With different power options and enclosure sizes the range provides a solution for up to a 12 Lenel controllers/modules (refer to the manual for all the different combinations). The modular construction simplifies maintenance.

All PSU models offer fault signalling and can charge a 12VDC standby battery to provide backup power on a mains failure. Multi-fused outputs with individual Fire Relay functionality (FOM) are provided to allow the installer to protect individual circuits as required. All models possess a mains fail relay output while the LNL-200XA, LNL-200XAU, LNL-400XA and LNL-400XAU models also offer additional Battery Monitoring and Deep Discharge Protection to prevent premature battery failure when operating in standby mode for extended periods. The LNL-600XA is provided with a unique hinged cabling system and can provide either 12VDC or 24VDC whilst also offering an independent ancillary relay that can be used for applications such as a 'Fire' door release relay.

Ultra PoE Splitter with 12VDC Standby Battery Functionality

Save time and money with the Ultra PoE powered PSU - the unique PoE powered device that provides power for critical IP systems such as Access Control, over a single Ethernet cable. The Ultra PoE powered PSU is a unique PoE powered device that can charge from 12VDC 7/8Ah up to 17/18Ah batteries whilst continuing to provide a 13.8VDC output of up to 3A.

If the PoE power being provided to the input fails, the battery seamlessly takes over continuing to provide the 13.8VDC voltage to the device.

Available as a DIN mountable module, and it can be used in a variety of PoE applications such as CCTV or Access control.



Details

- Enclosure (white with Lenel logo)
- PCB standoffs supplied for housing several Lenel controller/modules
- Front & rear enclosure tamper
- Battery Monitoring (LNL-200XAU / LNL-400XAU)
- Mains Fail relay output
- Volt-free fault outputs (LNL-200XAU / LNL-400XAU)
- Deep discharge protection (LNL-200XAU / LNL-400XAU)
- Provides up to 3A to the device with an additional 0.5A available for battery charging (PoE++ required)
- Offers battery back-up on loss of input PoE power
- Depending on the enclosure used, the Ultra PSU supports 7/8Ah (LNL-200XA-ENC) and 17/18Ah (LNL-400XA-ENC) batteries
- Provides remote fault monitoring outputs - PoE Input failure - Battery Low
- Data pass through for IP connections (10/100Mbps)
- Powered remotely by: - PoE++ (PoE 802.3bt) - PoE+ (PoE 802.3at) - PoE (PoE 802.3af)
- Modular design
- PSU status LED's (mains present & fault)
- Steel - white powder coated inside and outside enclosure
- Tripple US gang box compatible
- Installer safe design with all high voltage electronics fully shrouded
- 3 Year warranty

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Technical specifications

System

Controller type	Enclosure, PowerSupply
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Electrical

Operating voltage	Provides 13.8 VDC at 3 A max when used with PoE 802.3bt (PoE++ 60W)
Power supply type	VDC

Physical

Physical dimensions	500 x 400 x 85 mm
Net weight	6.6 kg
Shipping weight	6.7 kg
Colour	White (RAL 9001)

Environmental

Operating temperature	-10 to +40°C
Storage temperature	-20 to +80°C
Relative humidity	75% noncondensing
IP rating	IP30

Standards & regulation

Compliance	CE, RoHS 2, WEEE
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Connections

PoE IN	PoE 802.3bt (60 W) from PoE++ source Note: PoE and PoE+ can be used. See output specifications.
DATA	Data connection to IP device
OP +/-	Load output: 13.8 VDC (+/- 5%) at 3 A max (PoE++ input)
BATT +/-	12 VDC battery connection - observe polarity
PoE	Relay output for PoE power failure. Open on loss of PoE.
GEN	Relay output for output fuse failed or/and low battery level (less than 10.7 V) when PoE is off. Open in fault condition.

How to order

LNL-200XAU	13.8VDC 3A max (IEEE 802.3bt) / 1A max (IEEE 802.3at) Ultra PoE Power Supply with LNL-200XA-ENC enclosure (275 x 330 x 85mm) for LNL boards (enclosure can fit a 7/8Ah battery) - CE marked (locked with screws)
LNL-200XAU-PSU	13.8VDC 3A max (IEEE 802.3bt) / 1A max (IEEE 802.3at) Ultra PoE Power Supply only, (also DIN RAIL mountable) to be mounted in the LNL-200XA-ENC, LNL-400XA-ENC enclosures, the PSU supports 7/8Ah and 17/18Ah battery backup - CE marked
LNL-400XAU	13.8VDC 3A max (IEEE 802.3bt) / 1A max (IEEE 802.3at) Ultra PoE Power Supply with LNL-400XA-ENC enclosure (500 x 400 x 85mm) for LNL boards - includes 4-way Fused Output Module LNL-FUSE-4 (enclosure can fit a 17/18Ah battery) - CE marked (locked with screws)
LNL-FUSE-4	4-Way Fused Output Module with LED's (12VDC)
LNL-FUSE-12FOM4	4-Way Fused Fire Output Module with LED's (12VDC) and individual Fire Relay functionality - CE marked

