

ATX LED

100% DC low voltage

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AL-DALI-8-sml Distribution panel for 2x 400 Watts

[Product Description - AL-DALI-8-sml](#)

This structured wiring panel provides Class 2 power and DALI signals to 8 outputs. Ideal for up to 120 light fixtures and up to 48 Light switches.

It has two power inputs, with power failover management. It is housed in a case ideal for structured wiring panels. Two power inputs are relay routed to 8 outputs providing load balancing and failover.

It uses quick connect 5 amp rated connectors. When used with Class 1 power supplies, the output current is limited per Class 2. The inputs are KF 3.81 types. Voltage is 44 to 56 volts, and 100 watts is allowed per power supply. Earth connection is provided for static discharge management.

Ideally matched with 2 Meanwell 350 Watt power supplies, the AL-DALI-8 is a member of the ATX SML family for quick installation in Media Panels.

Failover Power

The Power Distribution has 2 inputs – apply a matched set of 48v (max 52v) power supplies to reach the power budget for the project. If a 500 watt project has 2 500 watt power supplies – then an outage will have no impact. The voltages are monitored by the RJ45 connector that links to the AL-DALI-Pi

LED status display

There is 1 Green LED per power input, and one Orange for DALI power.

sml Format

This device is a member of the ATX LED sml family for Structured Media Panels. This allows 8 devices in a 14x14 panel. Other devices include our 51v 96w power supply, PSE48 distribution panel, Raspberry Pi hat, and DALI controlled PoE Switch.



Specifications

Power source	KF 3.81mm connectors (2) 2 pin
Power out and DALI	KF 3.81mm connectors (8) 5 pin
Connector type	CUI TBP02P1-381-02-BE (power in), earth ground CUI TBP02P1-381-05-BE (power out)
RJ45 to AL-DALI-PI	Power from each input, and DALI data for the AL-DALI-Pi
DALI data expander	KF141V connector for additional DALI distribution panels.
Failover	Relays from 2 DC power inputs assures all outputs are live
Input voltage range	44v to 56 volts (for Relay activation)
Current Limit	Each port has a self resetting 2.5 amp fuse
Internal Power consumption	50 milliwatts standby
Protection	Reverse protection and static protection
Operating Temperature	0°C ~ 50°C
Size	70 mm x 147mm x 30mm plus 10mm interlocking tabs
Hot Swap	Yes – can unplug and connect input power live
Earth Ground	Connection for earth grounding
Failover Detection	Cutover at less than 44 volts
Mounting Kit	Leviton 47615-NYL push pins



Preparing to install



Installed