

## Revolutionizing Power Distribution by Powering Switches with Panduit FMPS

POE has become the preferred method to power network devices across verticals and applications. The switch does the heavy lifting providing the data connectivity and power across each port and requires a high density power input to get the most out of the network. FMP delivers the power density switches need, wherever they're deployed.

### Leading Challenges:

- Increasing port density in IDF's where power panels are at capacity
- Powering edge switches
- Providing redundant power
- Reducing reliance on media converters

### Popular Solutions :

- Powering high-density enterprise switches
- Powering security switches at the edge
- Segmenting switch power from machine power in manufacturing facilities
- Redundant and battery backup power configurations

Feature	Advantage	Benefit
<b>Class 4 limited energy power</b>	Reduces the need for conduit – install free air or in cable tray	Reduces pathway space by 80%
<b>Efficient and safe power distribution</b>	Use small gauge copper cables to deliver high power solutions	Reduce copper by 50% per pair
<b>600 Watts of power per pair</b>	Provides high density power solutions for POE++ and DC distribution	Increases the number of fixtures able to be powered
<b>Power and data connectivity in the same cable</b>	Easier faster installation with less space	Install new power in half the time
<b>Modular hardware design</b>	Easily scales to meet increasing power demands	Scales 90% faster than traditional power solutions
<b>Central power distribution</b>	Add battery backup to every connected device	Reduce the complexity and maintenance of UPS network by 70%
<b>Integrated monitoring and management</b>	Easily set up alarming or integrate with a management dashboard	Simplifies monitoring and troubleshooting
<b>Designed and manufactured by panduit</b>	Works seamlessly with Panduit Network Connectivity	1 Vendor = complete solution
<b>Class-4 power system - listed to ul 1400</b>	Validated to a rigorous safety standard	Significant reduction to risk and liability
<b>Common dc power output</b>	Easily integrate with A/C and DC power supplies	Enables the use of existing switches

### Can FMPS Power That?

✔ High-Density PoE

✔ PoE++ and 10Gbt

✔ Supports all manufacturers

**Common Switch Architectures**

