

Revolutionizing Power Distribution in Warehousing & Distribution with Panduit FMPS

Warehouses and fulfillment centers have some of the most connectivity and security dense networks of any customer. It can be a significant challenge to manage, monitor, and battery backup remote IDF's across these large facilities.

Leading Challenges:

- Large facilities require many IDF's
- Harsh environments requiring ruggedized solutions
- Limited access to remote areas for maintenance
- Shared power between heavy machinery and network devices
- Managing and servicing remote UPS's
- Need for redundancy and uptime in 24/7 operations

Popular Solutions :

- Powering edge switches and media converters
- Centralized UPS for remote IDF's
- Perimeter security cameras and sensors
- Segment network power from machine and conveyance power

Feature	Advantage	Benefit
NEC Class-4 limited energy system	Install cables to NEC 726 low voltage methods	Saves 70% on conduit and pathway installation
UPS and generator power distribution	Create an 800 Acre footprint	Easily extend UPS power without having UPS in the field
Power and data connectivity in the same path	Reduces the amount of cables into the MDF	Reduces pathway size requirements by 30%
Receivers aggregate multiple channels	Creates a scalable power architecture with minimal CapEx	Add power capacity to any receiver in minutes
6500 feet power distance	Provide power across large buildings and campuses	Increase network reach by 10x
Modular hardware design	Easily add redundancy and resilience to the network	Improves network uptime by 20%
Centralized power architecture	Complete power upgrade projects without disrupting operations	Reduce construction downtime by 90%

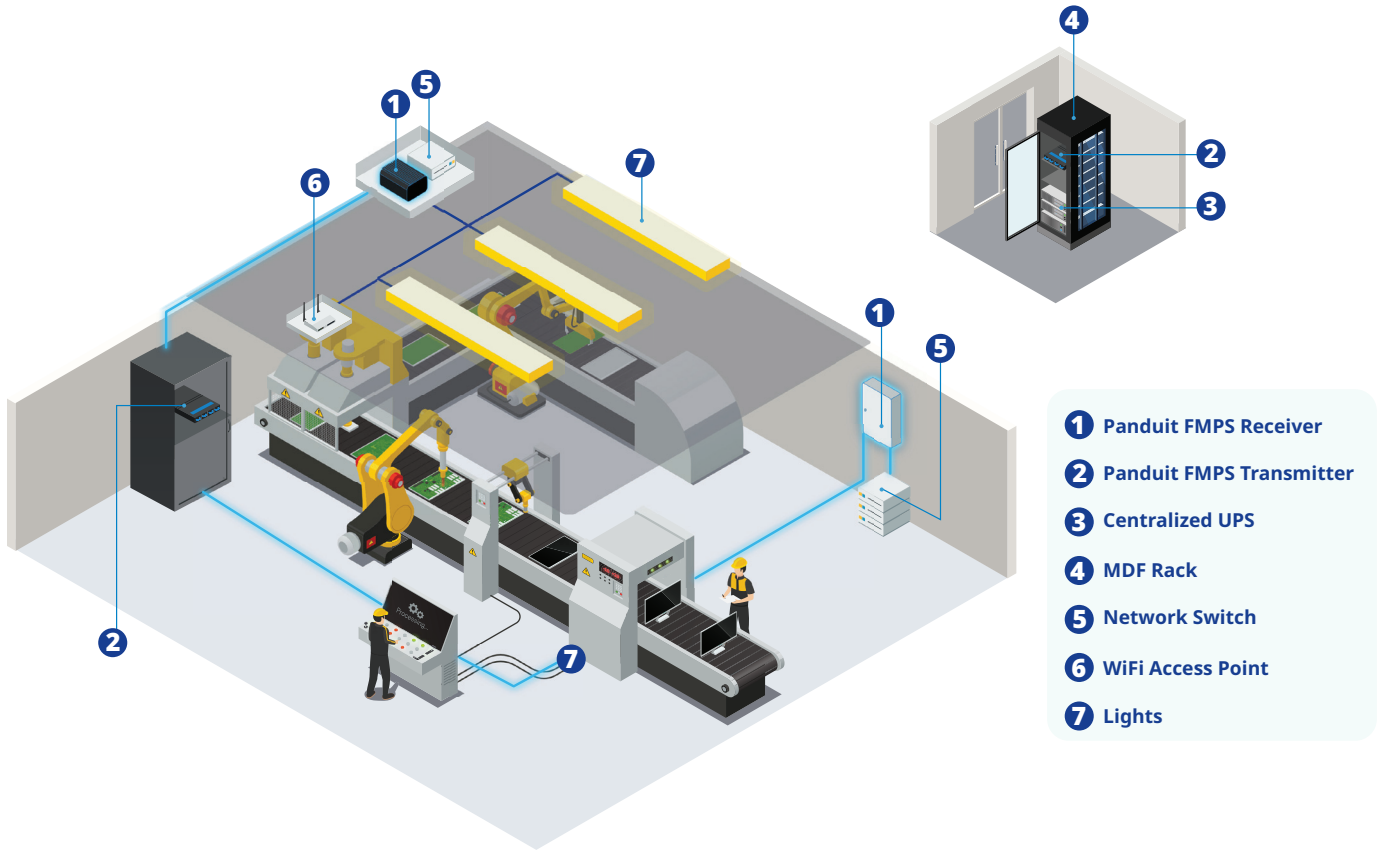
Can FMPS Power That?

✔ Enterprise & industrial switches

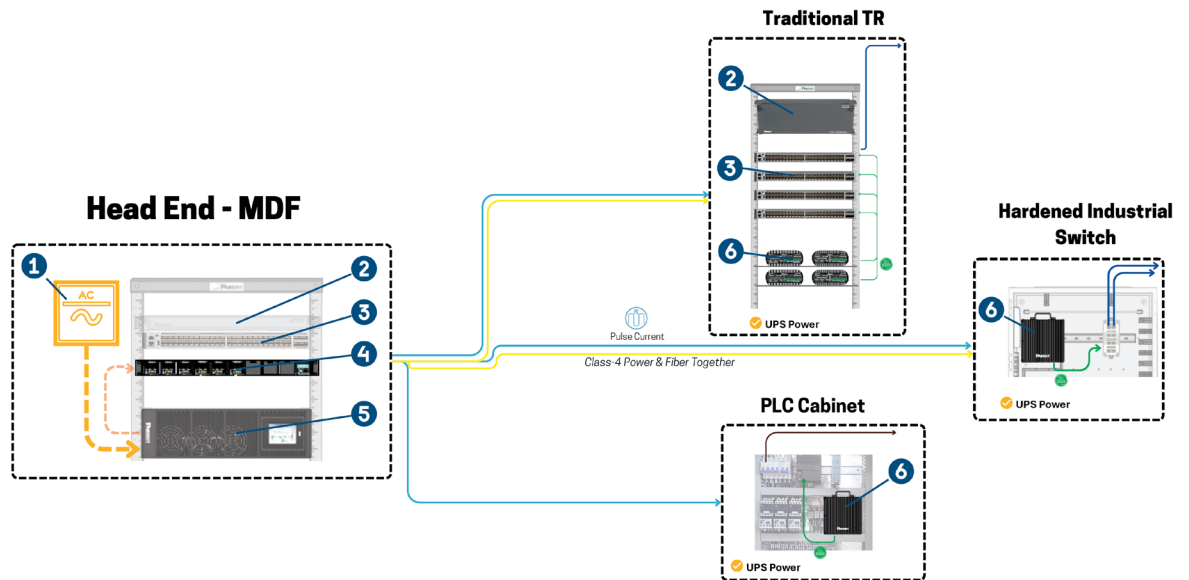
✔ Parking lot emergency call boxes

✔ DC & POE lighting

Common Warehouse & Distribution Network Architectures



- 1 A/C Power Panel
- 2 Fiber Patch Panel
- 3 Network Switch
- 4 FMP Transmitter
- 5 Panduit UPS
- 6 FMP Receiver
- 7 Lightning Protection
- 8 Security Camera
- 9 POE Light Fixture



- FMPS Cable
- Fiber Cable
- A/C Power Cable
- Control Cable
- Category Cable
- Generic Data Cable
- DC Power Cable