

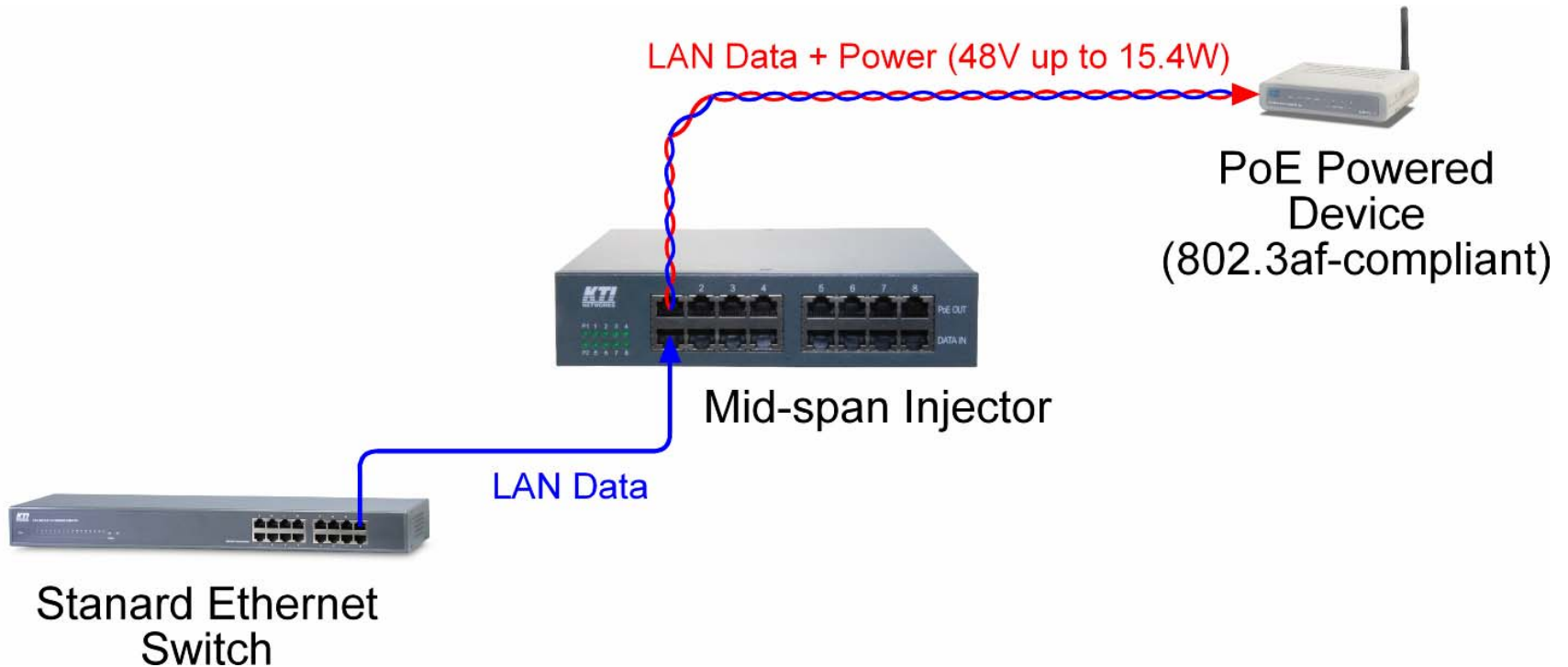
KPOE-800

8-Port Power over Ethernet Mid-span Injector



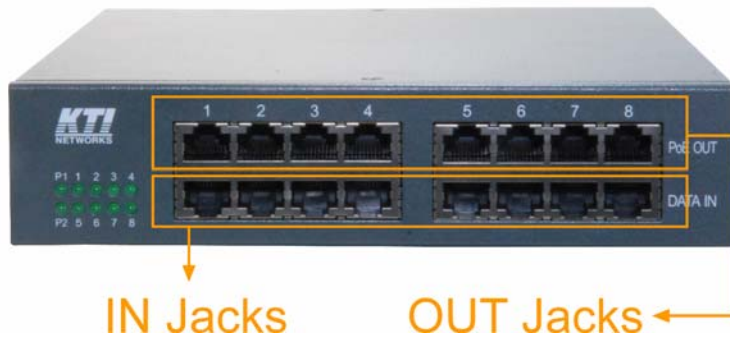
KPOE-800

Function 1



Supports 8 port connections

Function 2

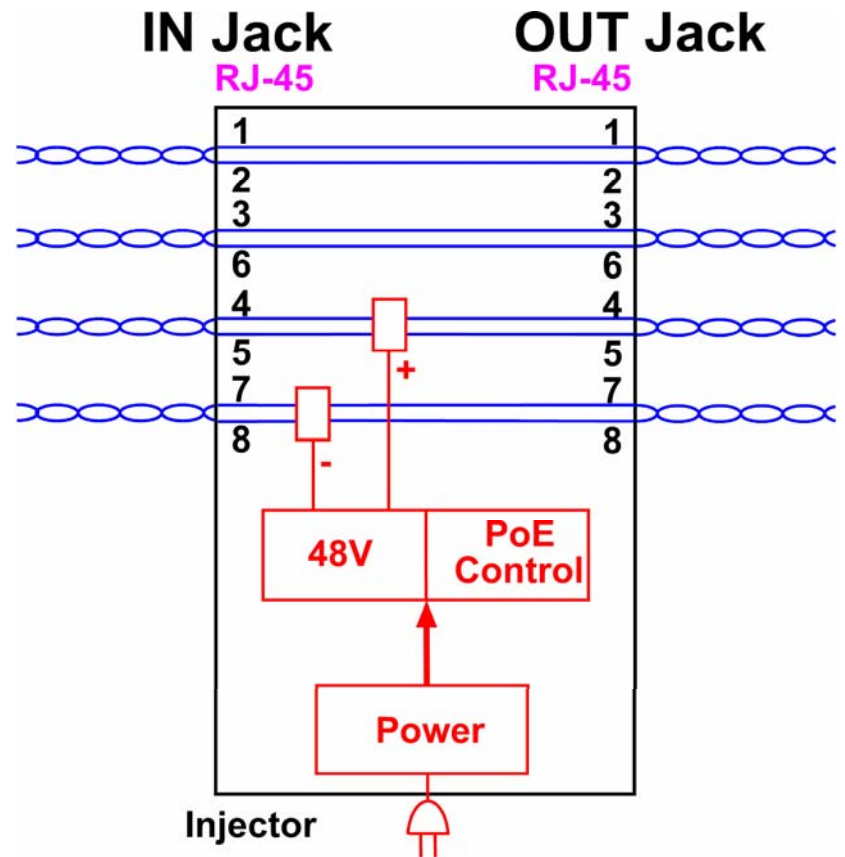


Ethernet RJ-45 (IN Jack)

- 10/100/1000 Mbps support

PoE PSE RJ-45 (OUT Jack)

- 10/100/1000 Mbps support
- PSE pins: 4,5,7,8
- Mid-span distance up to 100 meters



Advantage 1: Modular Power Design



KPOE-800-1P

**1 Power supports 60W PoE
for low power requirement**

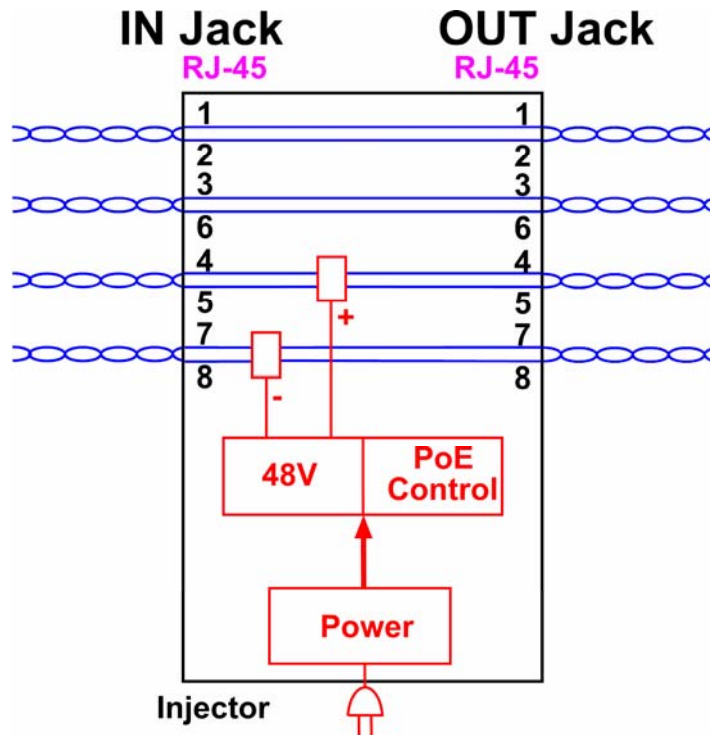


KPOE-800-2P

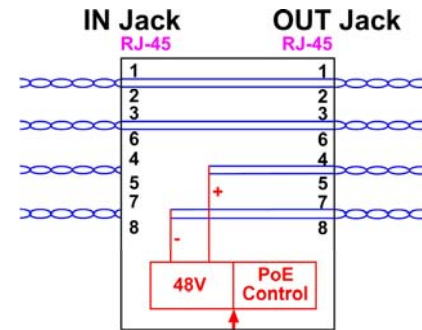
**2 Power supports 120W PoE
for high power requirement**

Advantage 2: GbE Support

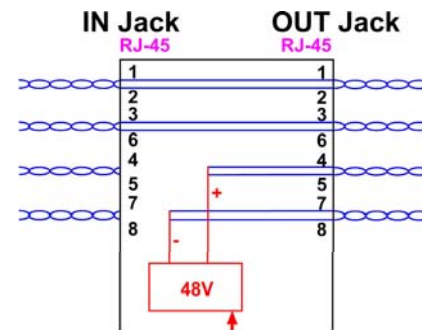
KTI's Implementation (GbE-enabled)



GbE-disabled



Common Implementation



Non-802.3af Implementation

Advantage 3: 19" Rack Mounting

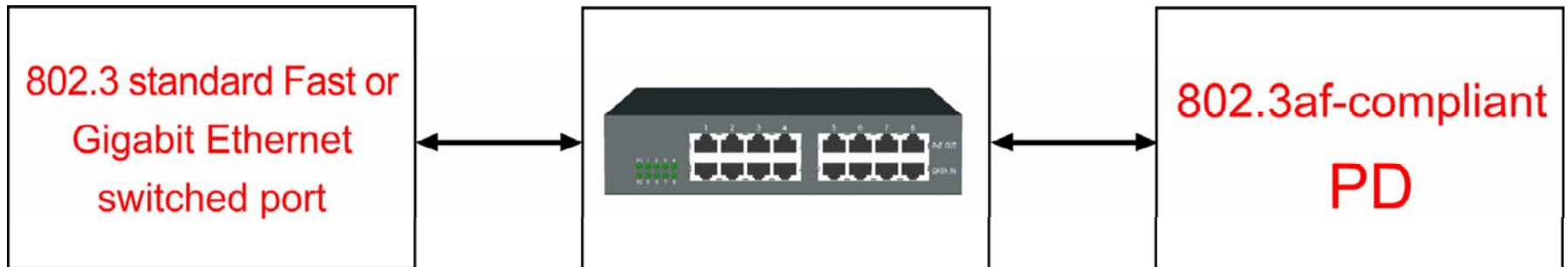


1 unit in a rack



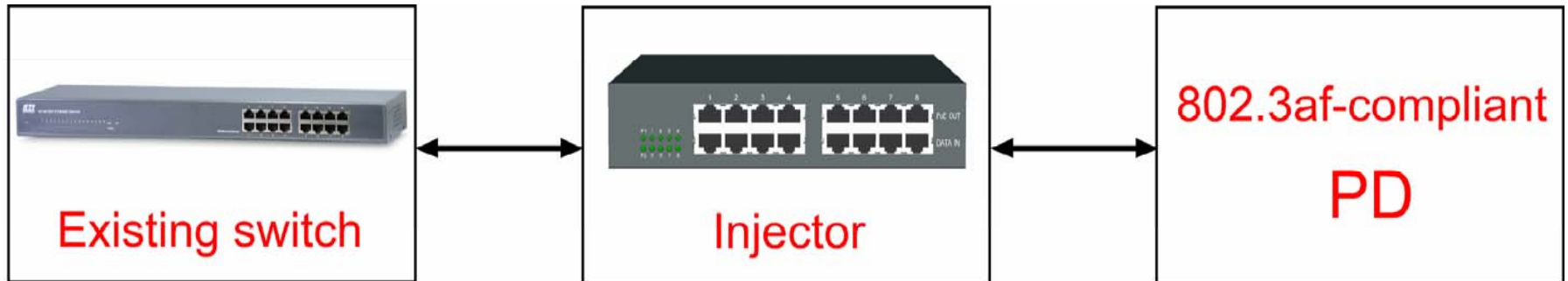
2 units in a rack

Benefit 1: IEEE 802.3af std.



Inter-operability guaranteed

Benefit 2: Independent to Switch Functionality



Mid-span injector supporting PoE

- No need to replace existing switches with new PoE switches
- No new complicated switch configuration
- Save existing investment
- Keep future switch upgrade flexible

Benefit 3: Save Cost



KPOE-800-1P



KPOE-800-2P

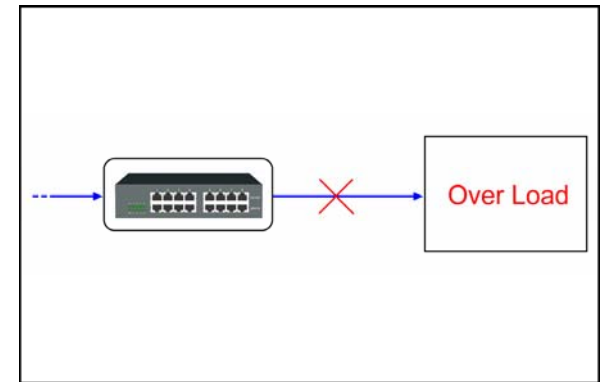
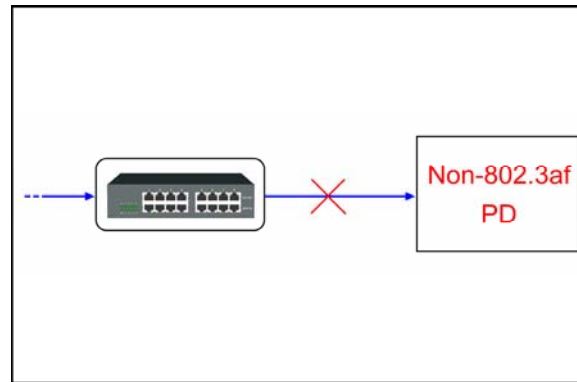
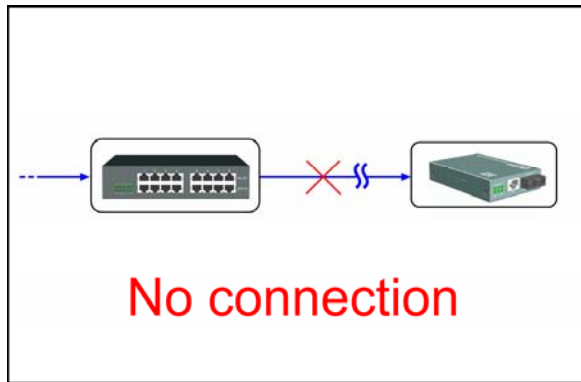
Modular power design

- Invest 1 power for small PoE PDs

Note: Power consumption of most PoE Wireless APs, IP Phones, and Media converters is less than 5W per device.

- Upgrade to 2 power only when needed

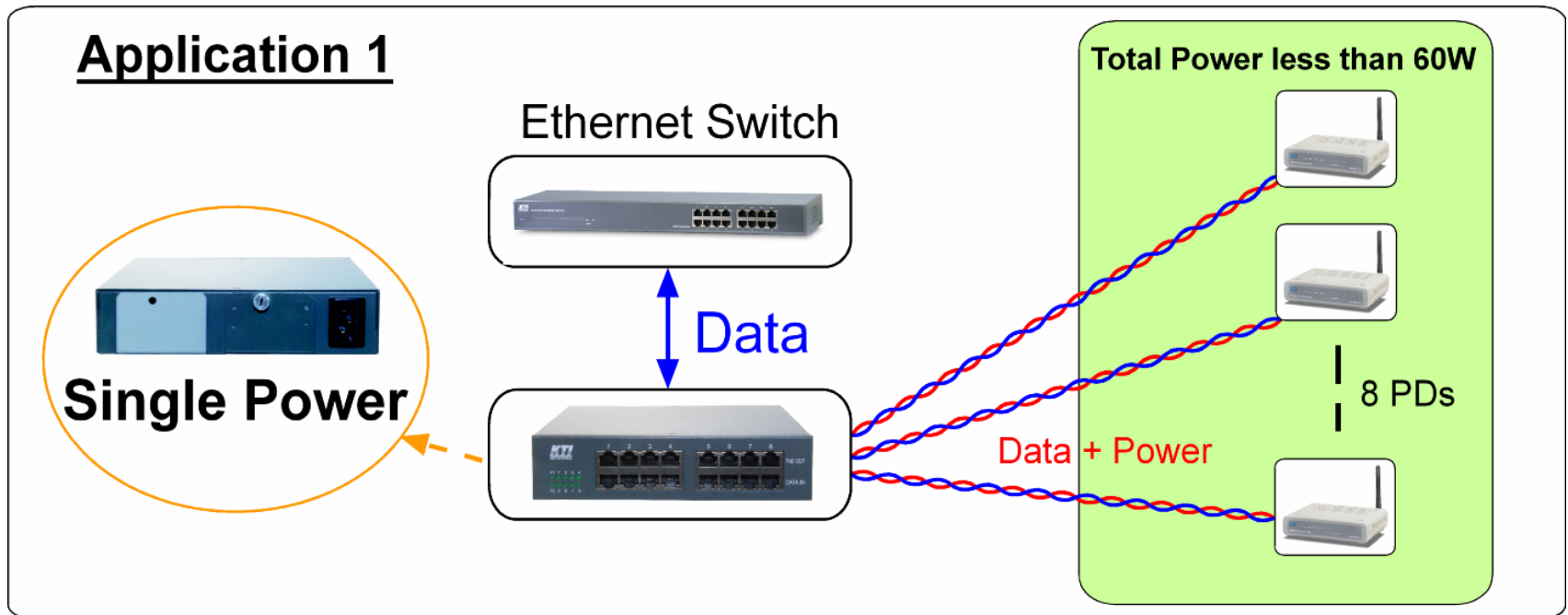
Benefit 4: Safety Protection



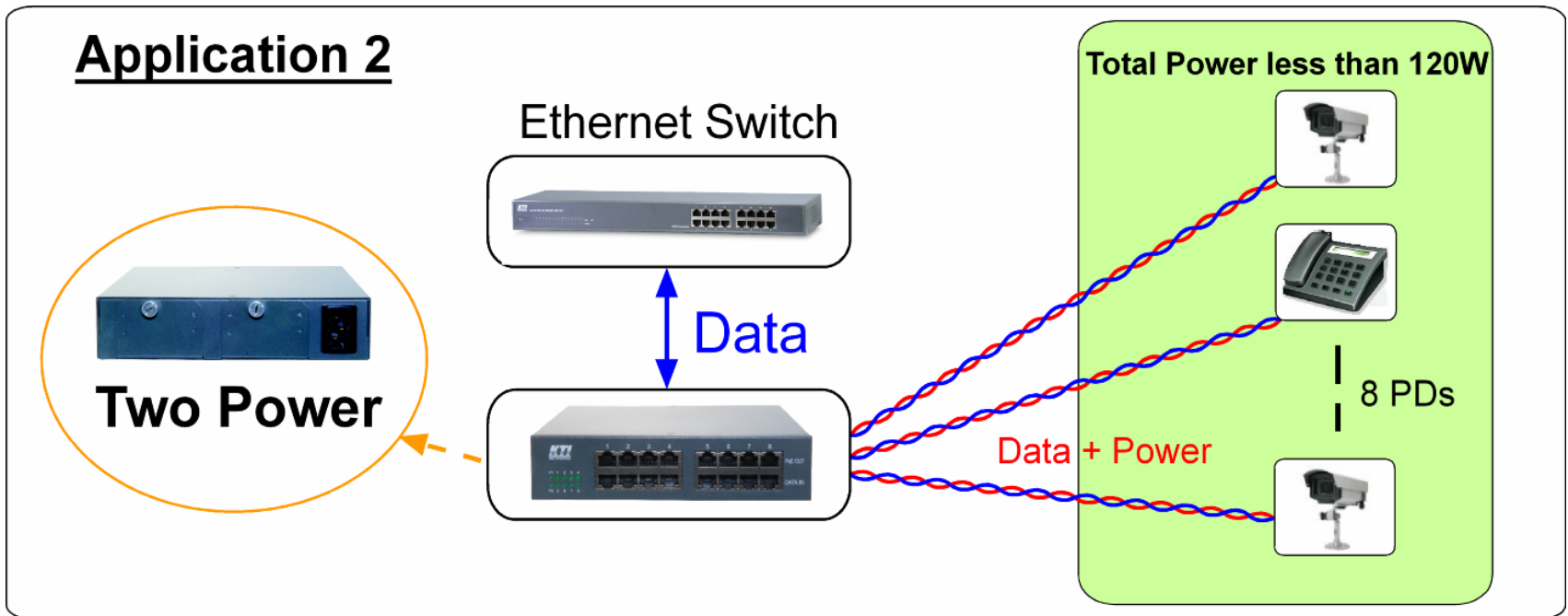
Auto port power shutdown

- No connection
- Non-802.3af PD detected
- Overload
- Over-current
- Short circuit

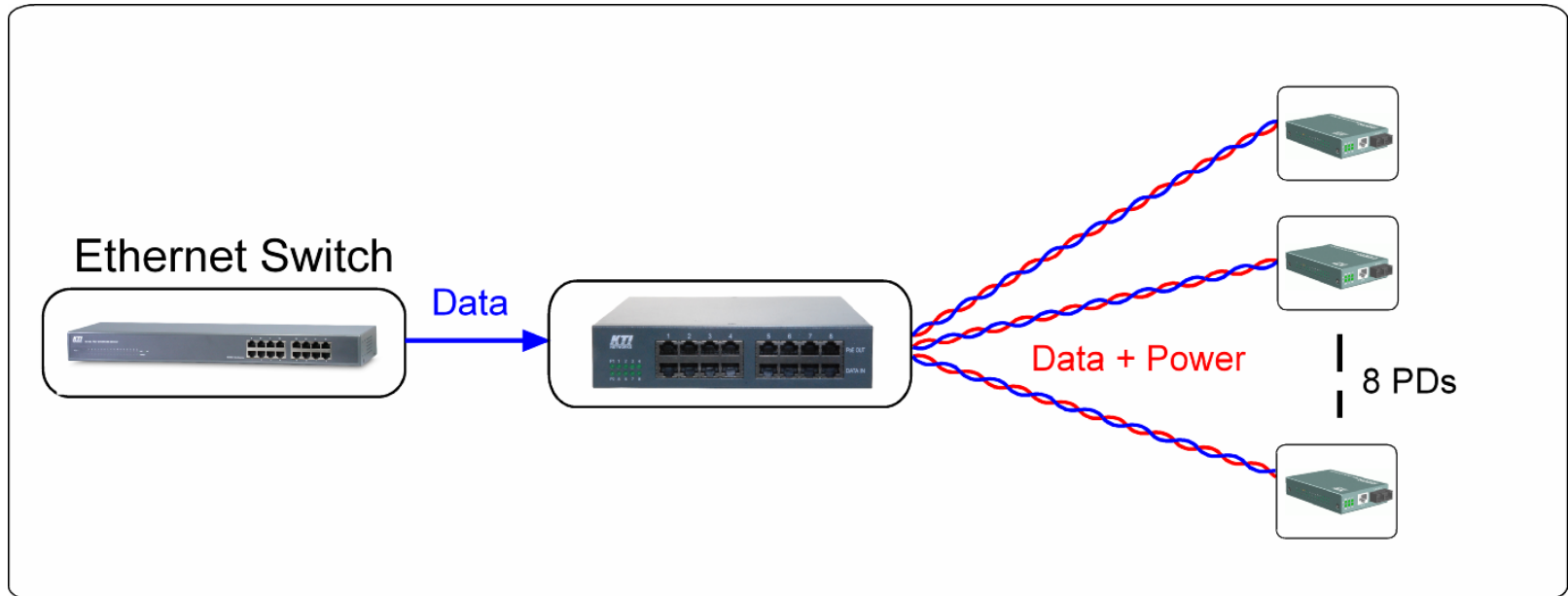
Application 1: Low Power PDs



Application 2: High Power PDs



Application 3: PoE Media Converter



KPOE-800-1P supporting PoE media converters (802.3af PD)

- Ex. KC-350 - KTI 802.3af 100M media converter
- KC-351 - KTI 802.3af 100M media converter
- KGC-352 - KTI 802.3af 1000M media converter