

OSD2910 10/100/1000BaseT PoE++

ETHERNET EXTENDER with JUMBO FRAME SUPPORT

APPLICATIONS

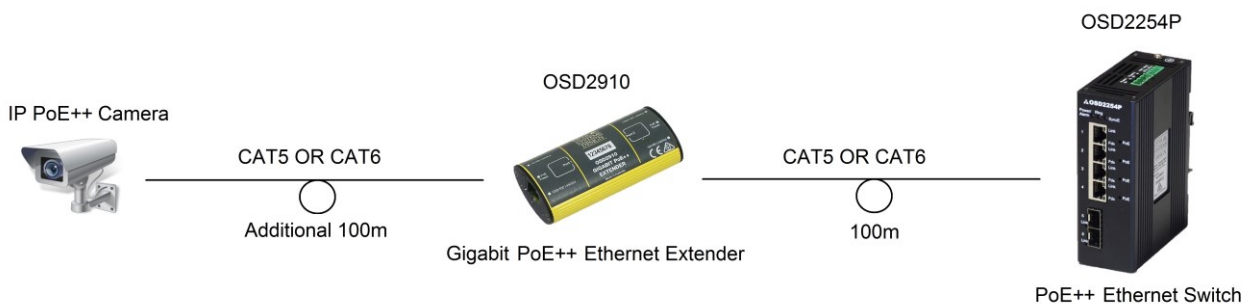
- ▲ Any network exceeding the 100 meter limitations of Ethernet
- ▲ Industrial and commercial IP communications
- ▲ Secure, noise immune extensions of networks using Power over Ethernet such as intercoms, access control, telephones, picocells etc



FEATURES AND BENEFITS

- ▲ Complies with IEEE 802.3i/802.3u/802.3ab 10/100/1000Base-T standards
- ▲ Supports network traffic of 100Mbps or 1000Mbps
- ▲ Extends the range of PoE and GbE to 200 meters but with daisy chaining this can be as much as 500 meters
- ▲ One port faces the PSE device, the other the PD device
- ▲ No external powering required: consumes less than 2W of PoE power
- ▲ Supports 10KB jumbo frames
- ▲ Complies with the IEEE 802.3af/at/bt standards
- ▲ Supports up to 60W of PoE
- ▲ Extremely small and robust module
- ▲ Operates over the temperature range of -20 to +75°C

TYPICAL APPLICATION DESIGN



ORDERING INFORMATION

OSD2910 10/100/1000BaseT PoE++ Ethernet Extender



SPECIFICATIONS

ELECTRICAL

Electrical Data Interface	IEEE 802.3i/802.3u/802.3ab, 10/100/1000Base-T Ethernet
Electrical Data Rate	10, 100, 1000Mbps with energy detect, auto negotiate, auto MDIX
Jumbo Frame Support	10KB
Electrical Data Connector	RJ45
PoE Standards	IEEE 802.3af IEEE 802.3at IEEE 802.3bt
Supported Modes	Mode A, Mode B or both (ie 4 pairs)
Switch Type	Store and forward
Indicators	Link active, blink indicates activity Speed Power

PHYSICAL

Operating Temperature Range	-20 to +75°C
Relative Humidity	0 to 95% non-condensing
Power Consumption	2W maximum
Case Dimensions (mm)	40Wx25Hx82L
Weight of Module (g)	50
Mounting	Surface mounting clip