



Industrial Ethernet Media Converters

AFL's range of industrial products are manufactured to withstand extreme operating environments including temperature ranges from -40°C to +75°C, humidity, dust ingress and variable voltage.

Products such as industrial media converters provide reliable communications between networking equipment.

Using industrial rated products ensures the stability and reliability of your critical network in harsh operating environments



Features

- 100 Mbps, 1 Gbps or 10 Gbps
- Up to 120 km (SM) and 5 km (MM)
- Redundant power options
- Link Fail Pass Through
- Fanless circuitry
- Two port and three port options
- Power over Ethernet (PoE) technology

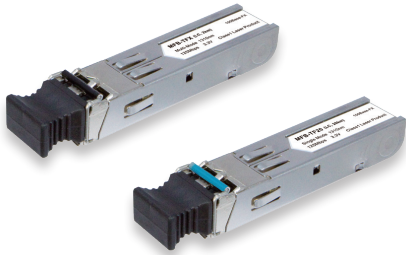
Applications

- Copper-to-Fibre conversion
- Network distance extension
- Speed conversion
- Power over Ethernet

Ordering Information

Industrial Ethernet & Serial Media Converters

| PART NUMBER | INTERFACE 1 | INTERFACE 2 | FIBRE DISTANCE | WAVELENGTH (NM) | OPERATING TEMPERATURE | PoE TYPE | MANAGEMENT | LFP |
|-----------------------------|--|---------------------------|---------------------|-----------------|-----------------------|-------------------|-------------|-----|
| 10G | | | | | | | | |
| PL-IXT-705AT | 10G /5G/2.5G/1G/100Base-T | 100GBase-Y SFP+ Slot | SFP+ dependent | SFP+ dependent | -40°C to +75°C | – | Unmanaged | – |
| Gigabit | | | | | | | | |
| PL-IGT-805AT | 10/100/1000Base-T | 100/1000Base-X SFP | SFP dependent | SFP dependent | -40°C to +75°C | – | Unmanaged | Yes |
| PL-IGT-905 | 10/100/1000Base-T | 1000Base-X, SFP | SFP dependent | SFP dependent | -30°C to +75°C | – | Managed | – |
| PL-IGTP-802T | 10/100/1000Base-T | 1000Base-SX, SC Duplex MM | 220/550 m (OM1/OM3) | 850 | -30°C to +75°C | 802.3af / 802.3at | Unmanaged | Yes |
| PL-IGTP-802TS | 10/100/1000Base-T | 1000Base-LX, SC Duplex SM | 10 km | 1310 | -30°C to +75°C | 802.3af / 802.3at | Unmanaged | Yes |
| PL-IGTP-805AT | 10/100/1000Base-T | 1000Base-X, SFP | SFP dependent | SFP dependent | -30°C to +75°C | 802.3af / 802.3at | Unmanaged | Yes |
| PL-IGT-1205AT | 10/100/1000Base-T | 100/1000Base-X SFP x 2 | SFP dependent | SFP dependent | -40°C to +75°C | – | Unmanaged | – |
| PL-IGUP-1205AT | 10/100/1000Base-T | 100/1000Base-X SFP x 2 | SFP dependent | SFP dependent | -40°C to +75°C | 802.3bt PoE++ | Unmanaged | – |
| PL-IGUP-2205AT | 10/100/1000Base-T RS-45 x 2 | 100/1000Base-X SFP x 2 | SFP dependent | SFP dependent | -40°C to +75°C | 802.3bt PoE++ | Unmanaged | – |
| Fast Ethernet | | | | | | | | |
| PL-IFT-802T | 10/100Base-TX | 100Base-FX, SC Duplex MM | 2 km | 1310 | -40°C to +75°C | | Unmanaged | – |
| PL-IFT-802TS15 | 10/100Base-TX | 100Base-FX, SC Duplex SM | 15 km | 1310 | -40°C to +75°C | | Unmanaged | – |
| PL-IFT-805AT | 10/100Base-TX | 100Base-FX, SC Duplex SM | SFP dependent | SFP dependent | -40°C to +75°C | | Unmanaged | – |
| Serial Over Ethernet | | | | | | | | |
| PL-ICS-2100 | DB9 RS-232 Terminal Block, RS-422/RS-485 | 10/100Base-TX | – | – | -10°C to 60°C | | Web Managed | – |
| PL-ICS-2105A | DB9 RS-232 Terminal Block, RS-422/RS-485 | 100Base-FX, SFP | SFP dependent | SFP dependent | -10°C to 60°C | | Web Managed | – |



Industrial Grade SFP's

| PART NUMBER | DESCRIPTION |
|----------------------|--|
| 10G | |
| PL-MTB-TSR | 1-Port 10GBase-SR SFP+ Fibre Optic Module - 300 m (-40 to 75° C) |
| PL-MTB-TSR2 | 1-Port 10GBase-SR SFP+ Fibre Optic Module – 2 km (-40 to 75° C) |
| PL-MTB-TLR | 1-Port 10GBase-LR SFP+ Fibre Optic Module - 10 km (-40 to 75° C) |
| PL-MTB-TLR20 | 1-Port 10GBase-LR SFP+ Fibre Optic Module - 20 km (-40 to 75° C) |
| PL-MTB-TLR40 | 1-Port 10GBase-LR SFP+ Fibre Optic Module - 40 km (-40 to 75° C) |
| PL-MTB-TLR60 | 1-Port 10GBase-LR SFP+ Fibre Optic Module - 60 km (-40 to 75° C) |
| PL-MTB-TLA20 | 1-Port 10GBase-BX SFP+ Fibre Optic Module - 20 km (TX:1270 nm RX:1330 nm) (-40 to 75° C) |
| PL-MTB-TLB20 | 1-Port 10GBase-BX SFP+ Fibre Optic Module - 20 km (TX:1330 nm RX:1270 nm) (-40 to 75° C) |
| PL-MTB-TLA40 | 1-Port 10GBase-BX SFP+ Fibre Optic Module - 40 km (TX:1270 nm RX:1330 nm) (-40 to 75° C) |
| PL-MTB-TLB40 | 1-Port 10GBase-BX SFP+ Fibre Optic Module - 40 km (TX:1330 nm RX:1270 nm) (-40 to 75° C) |
| PL-MTB-TLA60 | 1-Port 10GBase-BX SFP+ Fibre Optic Module - 60 km (TX:1270 nm RX:1330 nm) (-40 to 75° C) |
| PL-MTB-TLB60 | 1-Port 10GBase-BX SFP+ Fibre Optic Module - 60 km (TX:1330 nm RX:1270 nm) (-40 to 75° C) |
| Gigabit | |
| PL-MGB-TSX | 1000Base-SX SFP Module (-40 to 75°C), DDM Supported |
| PL-MGB-TLX | 1000Base-LX SFP Module (-40 to 75°C) |
| PL-MGB-TL40 | 1000Base-LX SFP Singlemode 40 km Module (-40 to 75°C), DDM Supported |
| PL-MGB-TL80 | 1000Base-LX SFP Singlemode 80 km Module (-40 to 75°C), DDM Supported |
| Fast Ethernet | |
| PL-MFB-TFX | 100Base-FX Transceiver (1310 nm) -2 km (-40 to 75°C) |
| PL-MFB-TF20 | 100Base-FX Singlemode 20 km, 100 Mbps SFP fibre transceiver (-40 to 75°C) |



Industrial Power Supplies

| PART NUMBER | DESCRIPTION |
|---------------|--|
| PL-PWR-40-24 | 24 V, 40 W Din-Rail Power Supply – slim type (-20°C to 70°C) |
| PL-PWR-60-24 | 24 V, 60 W Din-Rail Power Supply – slim type (-20°C to 70°C) |
| PL-PWR-75-24 | 24 V, 75 W Din-Rail Power Supply (-10°C to 60°C) |
| PL-PWR-120-48 | 48 V, 120 W Din-Rail Power Supply (-10°C to 60°C) |
| PL-PWR-240-48 | 48 V, 240 W Din-Rail Power Supply (-10°C to 70°C) |
| PL-PWR-480-48 | 48 V, 480 W Din-Rail Power Supply (-25°C to 70°C) |

Associated Products

- DIN Rail mount fibre enclosures
- Pre-terminated cable assemblies
- Fibre cable