



## Commercial Ethernet Media Converters

AFL's range of commercial media converters extend communication distances between network devices via fibre optic cables, providing reliable performance up to 10 Gbps.

Designed for commercial installations, our media converters are available in various configurations such as fixed optics, SFP based, PoE, Fast Ethernet, 1G and 10G Ethernet and are available as standalone or chassis mount.

Managed and 'Web Smart' devices provide the network operator greater control over their devices in smaller networks, allowing SNMP as well as remote access and configuration.

### Features

- Up to 120 km SM and 2 km MM
- Standalone and Chassis mount
- 100 Mbps, 1 Gbps or 10 Gbps
- Fixed optics and SFP optics
- Web Smart management
- Power over Ethernet (PoE) technology
- Wide range of SFP transceivers

### Applications

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

### Standalone Media Converters (10 Gbps)

PART NUMBER	INTERFACE 1	INTERFACE 2	FIBRE DISTANCE	WAVELENGTH	OPERATING TEMPERATURE	PoE TYPE	MANAGEMENT	LFP
<b>10G</b>								
PL-XT-705A	10G / 5G / 2.5G / 1G / 100Base-T	10G Base-X SFP+ Slot	SFP+ Dependent	SFP+ Dependent	0°C to +50°C	–	Unmanaged	–

## Standalone Media Converters (1 Gbps)

PART NUMBER	INTERFACE 1	INTERFACE 2	FIBRE DISTANCE	WAVELENGTH	OPERATING TEMPERATURE	PoE TYPE	MANAGEMENT	LFP
<b>Gigabit</b>								
PL-GT-802	10/100/1000Base-T	1000Base-SX SC Duplex MM	220/550 m (OM1/OM3)	850 nm	0°C to +50°C	–	Unmanaged	Yes
PL-GT-802S	10/100/1000Base-T	1000Base-LX SC Duplex SM	10 km	1310 nm	0°C to +50°C	–	Unmanaged	Yes
PL-GT-805A	10/100/1000Base-T	1000Base-SX/LX, SFP	SFP dependent	SFP dependent	0°C to +50°C	–	Unmanaged	Yes
PL-GT-806A15	10/100/1000Base-T	1000Base-LX SC Simplex SM	15 km	Tx: 1310 nm Rx: 1550 nm	0°C to +50°C	–	Unmanaged	Yes
PL-GT-806B15	10/100/1000Base-T	1000Base-LX SC Simplex SM	15 km	Tx: 1550 nm Rx: 1310 nm	0°C to +50°C	–	Unmanaged	Yes
PL-GT-806A60	10/100/1000Base-T	1000Base-LX SC Simplex SM	60 km	Tx: 1310 nm Rx: 1550 nm	0°C to +50°C	–	Unmanaged	Yes
PL-GT-806B60	10/100/1000Base-T	1000Base-LX SC Simplex SM	60 km	Tx: 1550 nm Rx: 1310 nm	0°C to +50°C	–	Unmanaged	Yes
PL-GTP-805A	10/100/1000Base-T	1000Base-SX/LX, SFP	SFP dependent	SFP dependent	0°C to +50°C	802.3af / 802.3at	Unmanaged	Yes
PL-GT-905A	10/100/1000Base-T	1000Base-SX/LX, SFP	SFP dependent	SFP dependent	0°C to +50°C	–	Managed	–
PL-GT-1205A	10/100/1000Base-T	1000Base-X SFP x 2	SFP dependent	SFP dependent	0°C to +50°C	–	Unmanaged	–

## Standalone Media Converters (100 Mbps)

PART NUMBER	INTERFACE 1	INTERFACE 2	FIBRE DISTANCE	WAVELENGTH	OPERATING TEMPERATURE	PoE TYPE	MANAGEMENT	LFP
<b>Fast Ethernet</b>								
PL-FT-801	10/100Base-TX	100Base-FX ST Duplex MM	2 km	1310 nm	0°C to +50°C	–	Unmanaged	Yes
PL-FT-802	10/100Base-TX	100Base-FX SC Duplex MM	2 km	1310 nm	0°C to +50°C	–	Unmanaged	Yes
PL-FT-802S15	10/100Base-TX	100Base-FX SC Duplex SM	15 km	1310 nm	0°C to +50°C	–	Unmanaged	Yes
PL-FT-802S35	10/100Base-TX	100Base-FX SC Duplex SM	35 km	1310 nm	0°C to +50°C	–	Unmanaged	Yes
PL-FT-802S50	10/100Base-TX	100Base-FX SC Duplex SM	50 km	1310 nm	0°C to +50°C	–	Unmanaged	Yes
PL-FT-803	10/100Base-TX	100Base-FX MTRJ Duplex MM	2 km	1310 nm	0°C to +50°C	–	Unmanaged	Yes
PL-FT-806A20	10/100Base-TX	100Base-FX SC Simplex SM	20 km	Tx: 1310 nm Rx: 1550 nm	0°C to +50°C	–	Unmanaged	Yes
PL-FT-806B20	10/100Base-TX	100Base-FX SC Simplex SM	20 km	Tx: 1550 nm Rx: 1310 nm	0°C to +50°C	–	Unmanaged	Yes
PL-FTP-802	10/100Base-TX	100Base-FX SC Duplex MM	2 km	1310 nm	0°C to +50°C	802.3af	Unmanaged	Yes
PL-FTP-802S15	10/100Base-TX	100Base-FX SC Duplex SM	15 km	1310 nm	0°C to +50°C	802.3af	Unmanaged	Yes
PL-FT-902	10/100Base-TX	100Base-FX SC Duplex MM	2 km	1310 nm	0°C to +50°C	–	Web Smart	–
PL-FT-905A	10/100Base-TX	100Base-FX, SFP	Up to 60 km	SFP	0°C to +50°C	–	Web Smart	–

## Chassis / Standalone Media Converters (1 Gbps)

PART NUMBER	INTERFACE 1	INTERFACE 2	FIBRE DISTANCE	WAVELENGTH	OPERATING TEMPERATURE	PoE TYPE	MANAGEMENT	LFP
<b>Gigabit</b>								
PL-GST-802	10/100/1000Base-T	1000Base-SX SC Duplex MM	220/550 m (OM1/OM3)	850 nm	0°C to +50°C	–	Chassis	–
PL-GST-802S	10/100/1000Base-T	1000Base-LX SC Duplex SM	10 km	1310 nm	0°C to +50°C	–	Chassis	–
PL-GST-805A	10/100/1000Base-T	1000Base-SX/LX, SFP	SFP dependent	SFP dependent	0°C to +50°C	–	Chassis	–
PL-GST-806A15	10/100/1000Base-T	1000Base-LX SC Simplex SM	15 km	Tx: 1310 nm Rx: 1550 nm	0°C to +50°C	–	Chassis	–
PL-GST-806B15	10/100/1000Base-T	1000Base-LX SC Simplex SM	15 km	Tx: 1550 nm Rx: 1310 nm	0°C to +50°C	–	Chassis	–
PL-GST-806A60	10/100/1000Base-T	1000Base-LX SC Simplex SM	60 km	Tx: 1310 nm Rx: 1550 nm	0°C to +50°C	–	Chassis	–
PL-GST-806B60	10/100/1000Base-T	1000Base-LX SC Simplex SM	60 km	Tx: 1550 nm Rx: 1310 nm	0°C to +50°C	–	Chassis	–

## Chassis / Standalone Media Converters (100 Mbps)

PART NUMBER	INTERFACE 1	INTERFACE 2	FIBRE DISTANCE	WAVELENGTH	OPERATING TEMPERATURE	PoE TYPE	MANAGEMENT	LFP
<b>Fast Ethernet</b>								
PL-FST-801	10/100Base-TX	100Base-FX ST Duplex MM	2 km	1310 nm	0°C to +50°C	–	Chassis	–
PL-FST-802	10/100Base-TX	100Base-FX SC Duplex MM	2 km	1310 nm	0°C to +50°C	–	Chassis	–
PL-FST-802S15	10/100Base-TX	100Base-FX SC Duplex SM	15 km	1310 nm	0°C to +50°C	–	Chassis	–
PL-FST-802S35	10/100Base-TX	100Base-FX SC Duplex SM	35 km	1310 nm	0°C to +50°C	–	Chassis	–
PL-FST-802S50	10/100Base-TX	100Base-FX SC Duplex SM	50 km	1310 nm	0°C to +50°C	–	Chassis	–
PL-FST-806A20	10/100Base-TX	100Base-FX SC Simplex SM	20 km	Tx: 1310 nm Rx: 1550 nm	0°C to +50°C	–	Chassis	–
PL-FST-806B20	10/100Base-TX	100Base-FX SC Simplex SM	20 km	Tx: 1550 nm Rx: 1310 nm	0°C to +50°C	–	Chassis	–

## Managed and Unmanaged Chassis

PART NUMBER	DESCRIPTION
<b>Managed Chassis</b>	
PL-MC-1610MR	16 Slot Managed Media Converter Chassis (AC Power), 19", 2RU
PL-MC-1610MR48	16 Slot Managed Media Converter Chassis (DC Power), 19", 2RU
<b>Unmanaged Chassis</b>	
PL-MC-700	7 Slot Media Converter Chassis (AC Power), 10", 2RU
PL-MC-1500	15 Slot Media Converter Chassis (AC Power), 19", 2.4RU
PL-MC-1500R	15 Slot Media Converter Chassis (AC Power, Redundant Power Supply*), 19", 2.4RU
PL-MC-1500R48	15 Slot Media Converter Chassis (DC Power, Redundant Power Supply*), 19", 2.4RU
<b>Chassis Power Supply</b>	
PL-MC-RPS130	130 W Redundant Power Supply, 100-240V AC
PL-MC-RPS48	Redundant Power Supply, -48V DC

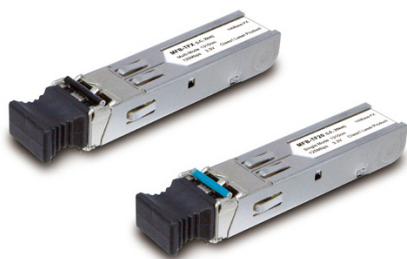
\* Optional

## Serial Over Ethernet

PART NUMBER	INTERFACE 1	INTERFACE 2	FIBRE DISTANCE	WAVELENGTH	OPERATING TEMPERATURE	PoE TYPE	MANAGEMENT	LFP
PL-ICS-100	DB9 RS-232 Terminal Block, RS-422/RS-485	10/100Base-T	100 m	NA	0°C to +50°C	–	Unmanaged	–
PL-ICS-101*	DB9 RS-232 Terminal Block, RS-422/RS-485	100Base-FX ST Duplex MM	2 km	1300 nm	0°C to +50°C	–	Unmanaged	–
PL-ICS-102*	DB9 RS-232 Terminal Block, RS-422/RS-485	100Base-FX SC Duplex MM	2 km	1300 nm	0°C to +50°C	–	Unmanaged	–
PL-ICS-102S15*	DB9 RS-232 Terminal Block, RS-422/RS-485	100Base-FX SC Duplex SM	15 km	1310 nm	0°C to +50°C	–	Unmanaged	–
PL-ICS-105A	DB9 RS-232 Terminal Block, RS-422/RS-485	100Base-FX, SFP	SFP dependent	SFP dependent	0°C to +50°C	–	Unmanaged	–

\* non-standard product, made to order

## Commercial Grade SFPs



PART NUMBER	DESCRIPTION
<b>Commercial SFPs</b>	
PL-MTB-RJ	1-Port 10GBase-T SFP+ Copper Fibre Optic Module - 30 m
PL-MTB-SR	1-Port 10GBase-SR SFP+ Fibre Optic Module - 300 m
PL-MTB-SR2	1-Port 10GBase-SR SFP+ Fibre Optic Module – 2 km
PL-MTB-LR	1-Port 10GBase-LR SFP+ Fibre Optic Module - 10 km
PL-MTB-LR20	1-Port 10GBase-LR SFP+ Fibre Optic Module - 20 km
PL-MTB-LR40	1-Port 10GBase-LR SFP+ Fibre Optic Module - 40 km
PL-MTB-LR60	1-Port 10GBase-LR SFP+ Fibre Optic Module - 60 km
PL-MTB-LR80	1-Port 10GBase-LR SFP+ Fibre Optic Module - 80 km
PL-MTB-LA10	1-Port 10GBase-BX SFP+ Fibre Optic Module - 10 km (TX:1270 nm RX:1330 nm)
PL-MTB-LB10	1-Port 10GBase-BX SFP+ Fibre Optic Module - 10 km (TX:1330 nm RX:1270 nm)
PL-MTB-LB20	1-Port 10GBase-BX SFP+ Fibre Optic Module - 20 km (TX:1330 nm RX:1270 nm)
PL-MTB-LA20	1-Port 10GBase-BX SFP+ Fibre Optic Module - 20 km (TX:1270 nm RX:1330 nm)
PL-MTB-LB40	1-Port 10GBase-BX SFP+ Fibre Optic Module - 40 km (TX:1330 nm RX:1270 nm)
PL-MTB-LA40	1-Port 10GBase-BX SFP+ Fibre Optic Module - 40 km (TX:1270 nm RX:1330 nm)
PL-MTB-LA60	1-Port 10GBase-BX SFP+ Fibre Optic Module - 60 km (TX:1270 nm RX:1330 nm)
PL-MTB-LB60	1-Port 10GBase-BX SFP+ Fibre Optic Module - 60 km (TX:1330 nm RX:1270 nm)
<b>GIGABIT</b>	
PL-MGB-GT	1000Base-T , RJ45, 100 m
PL-MGB-SX	1000Base-SX, LC, MM-550 m
PL-MGB-LX	1000Base-LX, LC, SM-10 km
PL-MGB-L30	1000Base-LX, LC, SM-30 km
PL-MGB-L50	1000Base-LX, LC, SM-50 km
PL-MGB-L70	1000Base-LX, LC, SM-70 km
PL-MGB-L120	1000Base-LX, LC, SM-120 km
PL-MGB-LA10	1000Base-LX, LC, Bi-Di (Tx:1310 nm) SM-10 km
PL-MGB-LB10	1000Base-LX, LC, Bi-Di (Tx:1550 nm) SM-10 km
PL-MGB-LA20	1000Base-LX, LC, Bi-Di (Tx:1310 nm) SM-20 km
PL-MGB-LB20	1000Base-LX, LC, Bi-Di (Tx:1550 nm) SM-20 km
PL-MGB-LA40	1000Base-LX, LC, Bi-Di (Tx:1310 nm) SM-40 km
PL-MGB-LB40	1000Base-LX, LC, Bi-Di (Tx:1550 nm) SM-40 km
<b>FAST ETHERNET</b>	
PL-MFB-FX	100Base-FX Transceiver (1310 nm) – 2 km
PL-MFB-F20	100Base-FX Transceiver (1310 nm) – 20 km
PL-MFB-F40	100Base-FX Transceiver (1310 nm) – 40 km
PL-MFB-F60	100Base-FX Transceiver (1310 nm) – 60 km
PL-MFB-FA20	100Base-BX Transceiver (WDM,TX:1310 nm) – 20 km
PL-MFB-FB20	100Base-BX Transceiver (WDM,TX:1550 nm) – 20 km