# HD LGX MPO/MTP Transition Modules

## Features & Benefits

- LGX compatible
- Available in OS2, OM3 and OM4
- 100% factory terminated and tested, saving time and guaranteeing high performance
- Up to 24 fiber connections in one LGX cassette
- All polarity types available
- Optimized performance using only highest quality connectivity components
- High performance MTP connectivity - MTP and MTP Elite connectors

## Overview

The PPC pre-terminated MPO/MTP cassettes are designed for fast plug-and-play backbone links between racks in the central office. Manufactured in our state-of-the-art facilities, they offer rapid deployment, high density and maximum space utilization combined with significant time and cost savings.

The PPC MPO/MTP modular product line is easy to install, upgrade and re-work without disrupting existing connections. This makes it the perfect pay-as-you-grow product for evolving networks where moves, adds and changes are made on a regular basis.

## Technical Data

### Mechanical Data

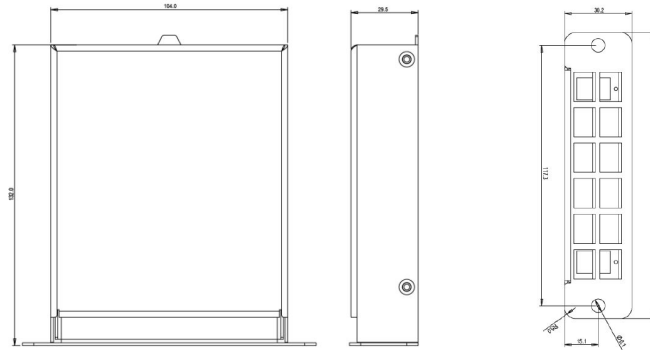| Specification | Value |
|---|---|
| Rear connector | MTP or MTP Elite (MPO on request) |
| Front connector | SC, LC (Others on request) |
| Rear connector count | 1 or 2 |
| Front connector count | Up to 12 SC or 24 LC connections |
| Dimensions (HxWxD) mm | 30 x 129 x 132 |
| Material | CRCA, powder coated |
| Color | Black RAL 9005 (standard), RAL 7032 or RAL 7035 on request |

### Enviromental Data

| Specification | Value |
|---|---|
| Operating temperature | -10 °C to 60 °C (14 °F to 140 °F) |
| 2011/65/EC RoHS | Fully compliant |

## Technical Drawing



## Ordering Information

### LGXTM01

| 1 | 2 | 3 | 4 | 5 | 6 |
|---|---|---|---|---|---|

**1**    **Select MPO type (rear)**

30 = MPO/MTP 8 fiber Female (no pins)
31 = MPO/MTP APC 8 fiber Female (no pins)
32 = MPO/MTP 8 fiber Male (pinned)
33 = MPO/MTP APC 8 fiber Male (pinned)
40 = MPO/MTP 12 fiber Female (no pins)
41 = MPO/MTP APC 12 fiber Female (no pins)
42 = MPO/MTP 12 fiber Male (pinned)
43 = MPO/MTP APC 12 fiber Male (pinned)
60 = MPO/MTP 24 fiber Female (no pins)
61 = MPO/MTP APC 24 fiber Female (no pins)
62 = MPO/MTP 24 fiber Male (pinned)
63 = MPO/MTP APC 24 fiber Male (pinned)

**2**    **Performance MPO (rear)**

M = Multi-mode Elite
S = Single-mode Standard
T = Single-mode Elite

**3**    **Qty of connectors (front)**

08 = 8 x connectors
12 = 12 x connectors

**4.**    **Connector type front**

10 = LC
11 = LC APC
20 = SC simplex
21 = SC/APC simplex
22 = SC duplex
23 = SC/APC duplex

**5.**    **Polarity type**

AS = A straight (12f)
AF = A flipped (12f)
B1 = B straight (8f/12f)
B2 = B flipped (8f/12f)
NS = N straight (8f/12f)
NF = N flipped (8f/12f)

**6.**    **Performance**

Z = Single-mode OS2 G657 A.1
2 = Single-mode OS2 G657 A.2
3 = Multi-mode OM3
4 = Multi-mode OM4

**Design Considerations:**
PPC modules use a Key-Up/ Key-Down MPO adapter as standard on all MPO-LC transition modules.
PPC recommends that LGX Transition Modules are connected with Male MPO backbone trunks (Polarity Type B) for a safer and simpler upgrade to 40G or 100G data rates. Please contact your local representative for more information.