

Product overview

Giganet UHD cassettes are pre-terminated modules MTP/MPO-LC Fanouts that are suitable for up to 100G applications to interconnect backbone with discrete connections. The UHD cassettes are designed to easily plug into Giganet UHD chassis and each chassis can populate up to 96F. This cassette is tailor-made for optimizing cable management, speed deployment, and improving flexibility. The MTP/MPO and single ferrule connectors are available in Standard and Premium versions to cater customer's power budget requirements.

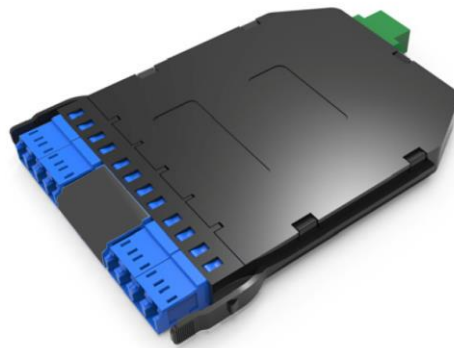


Figure 1.
Giganet UHD-MTP/MPO Cassette Modules Base 8

Product Features and Applications

FEATURES

| |
|---|
| Conform to IEC, EIA-TIA, and Telcordia performance requirements |
| Standard & Shuttered dust proof LC adapters |
| Available in Single mode and Multimode fibre options |
| Available in 8 fiber count |
| Available in Polarity A/B/C as per TIA/EIA-568-C.3 |
| RoHS Compliant |

APPLICATIONS

| |
|--------------------------------------|
| Telecommunication networks |
| Data centers, Co-location DC |
| LAN or Campus wide Network |
| Broadband network |
| Supports SFP, QSFP, CFP applications |
| 100G to 10G/ 40G to 10G transition |

Product Specification

| GENERAL SPECIFICATION | |
|--------------------------|---|
| Footprint | UHD |
| Material | ABS+PC |
| Housing Color | Black |
| Application | UHD Panels |
| Fibre Capacity | 8FO in LC |
| Adapters Ports | Standard & Shuttered Dust proof LC Adapters |
| Dimensions (WxDxH in mm) | 95 x 124.5 x 12 |
| Weight | 0.15KG |

| PERFORMANCE | | | | | |
|-----------------------|-------|-----------|-------------|-----------|-------------|
| Parameters | Units | SM MPO | SM LC | MM MPO | MM LC |
| Avg/Max IL – Standard | dB | ≤0.5/0.75 | ≤ 0.20/0.30 | ≤ 0.60 | ≤ 0.18/0.30 |
| Return loss (PC/APC) | dB | ≥ 60 | >60 | NA | NA |
| Avg/Max IL– Premium | dB | ≤0.2/0.35 | ≤ 0.12/0.15 | ≤0.2/0.35 | ≤ 0.12/0.15 |
| Return loss (PC/APC) | dB | ≥ 60 | ≥ 60 | NA | NA |

Technical Drawing

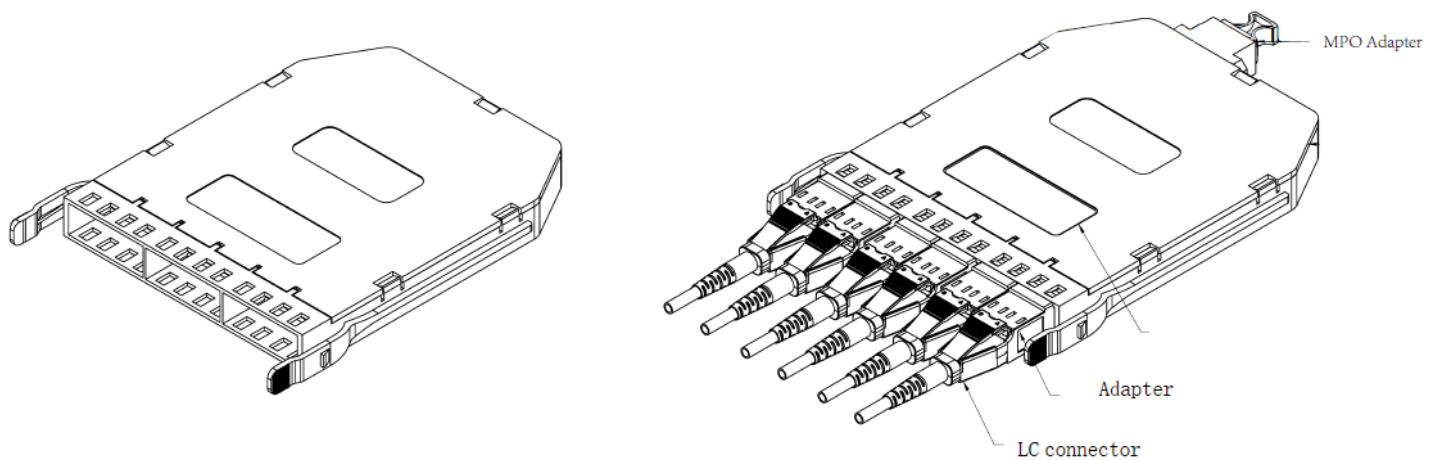


Figure 2.
Giganet UHD-MTP/MPO Cassette Modules Base 8 Technical Drawing

Ordering Information

| UHD-MTP/MPO Cassette Modules base 8 (A/C and B) | | | | | | | | | | | | |
|---|----------------------|---------------|---|-----------------|---|--|----|---------------|----|--------------|---|-------------|
| GN-UHD8C-123456 | | | | | | | | | | | | |
| GN-UHD8C- | 1 | MPO/MTP SIDE | 2 | LC SIDE | 3 | ADAPTER TYPE | 4 | MODE OF FIBRE | 5 | POLARITY | 6 | PERFORMANCE |
| | 1MPF | 1X MPO FEMALE | 8L | 8- FIBRE LC/UPC | O | Standard | A2 | 657A2 SM | C | A/C Polarity | S | Standard |
| | 1MP | 1X MPO MALE | 8A | 8- FIBRE LC/APC | S | shuttered | M3 | OM3 MM | B1 | B SIDE B1 | P | Premium |
| | 1MT | 1X MTP-MALE | | | | | M4 | OM4 MM | B2 | B SIDE B2 | | |
| | 1MTF | 1X MTP-FEMALE | | | | | M5 | OM5 MM | | | | |
| | | | | | | <p><i>*Default colors: SM: Blue/Green (APC is Green), OM3: Aqua, OM4: Erika violet; OM5: Lime Green.</i></p> <p><i>*Recommended always cassettes male type and trunks female type.</i></p> | | | | | | |
| | Part Number | | Product Description | | | | | | | | | |
| e.g. | GN-UHD8C-1MP8LSM4CP | | Giganet UHD cassette Module 1 XMPO(M)- 8F LC/UPC, shuttered, MM-OM4, Pol A/C, Prem performance. | | | | | | | | | |
| e.g. | GN-UHD8C-1MTF8AOA2CS | | Giganet UHD cassette Module 1 XMTP(F)- 8F LC/APC, Std, SM-657A2, Pol A/C, Std performance. | | | | | | | | | |