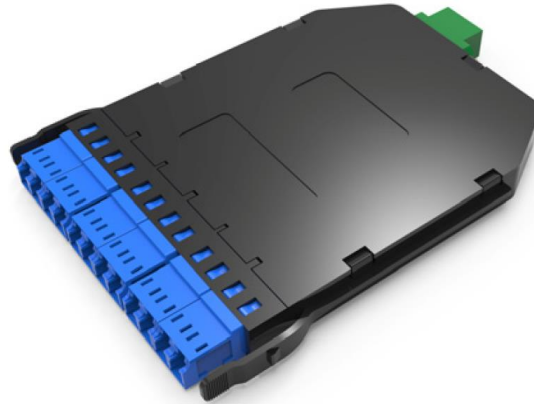


## Product overview

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 144F. 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 12 (A and C)*

## 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 12 fiber count
Available in Polarity A/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	12FO 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

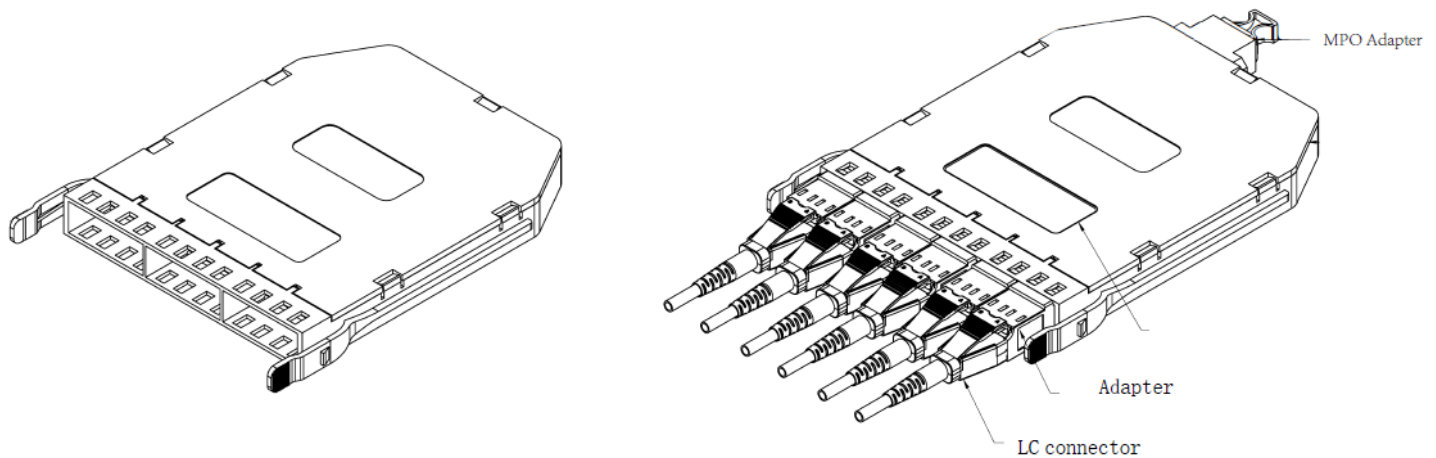


Figure 2.  
 Giganet UHD-MTP/MPO Cassette Modules Base 12 (A and C) Technical Drawing



**FIBRE PLUG N PLAY SYSTEM**  
**Giganet UHD-MTP/MPO Cassette Modules**  
**Base 12 (A and C)**

**Ordering Information**

UHD-MTP/MPO Cassette Modules base 12 (A and C)												
GN-UHDC-123456												
GN-UHDC-	1	MPO/MTP SIDE	2	LC/SC SIDE	3	ADAPTER TYPE	4	MODE OF FIBRE	5	POLARITY	6	Performance
	1MPF	1X MPO FEMALE	12L	12- FIBRE LC/UPC	O	Standard	A2	657A2 SM	C	A/C Polarity	S	Standard
	1MP	1X MPO MALE	12A	12- FIBRE LC/APC	S	shuttered	M3	OM3 MM			P	Premium
	1MT	1X MTP-MALE					M4	OM4 MM				
	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-UHDC-1MP12LSM4CP		Giganet UHD cassette Module 1 XMPO(M)- 12F LC/UPC, shuttered,MM-OM4, Pol A/C , Prem performance.									
e.g.	GN-UHDC-1MTF12AOA2CS		Giganet UHD cassette Module 1 XMTP(F)- 12F LC/APC, Std,SM-657A2, Pol A/C , Std performance.									