

# Infinique High Density Plug-n-Play MPO Cassette

Singlemode, Multimode Cassette

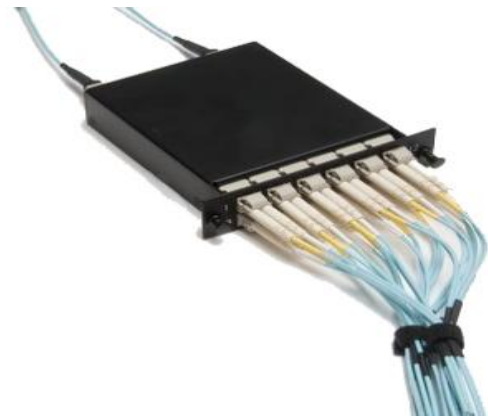
Infinique's MPO Solution is designed for high density Gigabit Ethernet Applications. It is a Plug and Play Solution that offers excellent performance and speedy installation. Infinique offers an end-to-end MPO Solution which includes Cassettes, Patch Panels, MPO Adapter Plates, MPO Hydra Cable and MPO Trunk Cable.

Infinique's MPO Cassettes offers installers the choice to prepare the distribution units off-site and allows for faster termination of the fiber backbone. MPO Cassettes can support 10 Gb/s for link lengths up to 300 meters using laser optimized OM3 fiber, and up to 550 meters using laser optimized OM4 fiber, with an insertion loss of 0.5dB. MPO Cassettes employ high performance US Conec MPO connectors on the rear of the units routed to the adapters of your choice in the front.

Infinique's MPO Cassettes can be installed in MPO Patch Panel of 1U and 3U. They are available with LC and SC connectors, with a choice of Singlemode, Multimode OM3 and Multimode OM4 connectivity.

## Product Features

- Plug and Play and Speedy Installation
- High Density Design
- Available in Singlemode, OM2, OM3 and OM4
- Overall reduction in insertion loss
- 100% tested provides consistent results
- Polarity A, B and C



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## OPTICAL SPECIFICATIONS - MTP Solution

Rack Mounting Version	Slide-in Unit
Number of Connectors (A)	1 / 2 / 3
Connector Type (A)	MTP Male
Protection Class (IP) Connector (A)	IP 20
Polishing Connector (A)	APC / UPC
Number of Connectors (B)	24 / 12
Connector Type (B)	LC / SC
Protection Class (IP) Connector (B)	IP 20
Polishing Connector (B)	APC / UPC
Insertion Loss (IL)	Multimode: Max 0.3 dB, Typical 0.15 dB, Singlemode: Max 0.3 dB, Typical 0.2 dB
Return Loss (RL)	PC: < 55 dB, APC: < 50 dB
Mating Cycles	Delta IL < 0.2 dB after 500 mating cycles

## MATERIAL SPECIFICATIONS

Module Material	Steel
Color	Black
Operating Temperature	-40°C ~ +75°C
Storage Temperature	-40°C ~ +85°C

## ORDERING INFORMATION

Part Number	Description
IFM1MP6LCDM4UA	Infinique MPO-12 Cassette OM4 6 LC UPC Duplex 1 MPO UPC Male Polarity A
IFM1MP6SCDM4UA	Infinique MPO-12 Cassette OM4 6 SC UPC Duplex 1 MPO UPC Male Polarity A
IFM1MP12SCDM4UA	Infinique MPO-24 Cassette OM4 12 SC UPC Duplex 1 MPO UPC Male Polarity A
IFM1MP12LCDM4UA	Infinique MPO-24 Cassette OM4 12 LC UPC Duplex 1 MPO UPC Male Polarity A
IFM1MP6LCDSMUA	Infinique MPO-12 Cassette OS2 6 LC UPC Duplex 1 MPO UPC Male Polarity A
IFM1MP6SCDSMUA	Infinique MPO-12 Cassette OS2 6 SC UPC Duplex 1 MPO UPC Male Polarity A
IFM1MP12SCDSMUA	Infinique MPO-24 Cassette OS2 12 SC UPC Duplex 1 MPO UPC Male Polarity A
IFM1MP12LCDSMUA	Infinique MPO-24 Cassette OS2 12 LC UPC Duplex 1 MPO UPC Male Polarity A

Custom orders are available with options of different Fibers, Cores and Polarity.



Infinique, a Canadian company is a manufacturer of high performing end-to-end solutions in copper, fiber and video surveillance systems. For more information visit our website at [www.infinique.com](http://www.infinique.com) or email us at [sales@infinique.com](mailto:sales@infinique.com).