

## DESCRIPTION FPM65-24



### [PRODUCT DESCRIPTION]

Comply with industry standard TIA - 568C. 3-2008 ( standard of optical fiber cabling system) and YD/T1272.5-2009 type (optical fiber connector part v: MPO style), fiber optic termination system which used for data wiring system and optical termination building need to satisfy the 10GEt transmission and suitable for next 40G /100G system application. Linkbasic MPO fiber optical cassette module is safe and the best connecting method between main cable and LC connector or SC connector. It suit for 1U, 2U or 4U fiber optical patch panel. The front panel is for LC, SC adapter or patch cord for connecting terminal equipment, the back panel is for MPO adapter to connect MPO main cable. It is easily to be installed or changed with modular design. 100% termination in factory and strictly connect testing to ensure minimum insertion loss.

### [TECHNICAL SPECIFICATION]

- Universal polarity design to ensure corrective of optical fiber in system,
- different kinds of polarity are available.
- Strong structure to protect internal fiber optical division with aluminum alloy
- material.
- It can convert 12 core MPO connector to LC connector (duplex) or SC
- connector(simplex).
- Design can be changed freely with low loss connection.
- Front panel connect LC adapter(duplex) and rear panel connect MPO
- connector;
- 24 core MPO patch panel is available.
- It is available in next generation of data in 40GEt and 100GbE application.
- The front panel connect 12pcs LC duplex adapter and rear panel connect
- 2pcs MPO connector.
- The front panel connect 12pcs SC simplex adapter and rear panel connect
- 1pcs MPO connector.
- Color of MPO adapter: black.
- Polarity: A key up - key down; B key up - key up;
- Color of LC adapter: beige(OM2); aqua(OM3); purple(OM4); blue(SM).
- Material of tube: zircon

### [TRANSMISSION PERFORMANCE]

Part number	OM3 50/125um(850/1300nm)	OM4 50/125um(850/1300nm)	OS2 9/125um(1310/1550um)
Max attenuation(dB/KM)	2.5 / 0.7	2.5 / 0.7	0.36/ 0.22
Min EMB bandwidth(MHZ.KM)	2000/-	4700/-	/
Variation of attenuation, radius at 7.5mm, 250um coating fiber, 850nm	< 0.2dB	< 0.2dB	/
Variation of attenuation, radius at 7.5mm, 250um coating fiber, 1550nm	/	/	< 0.2dB

### [TECHNICAL PARAMETER]

Connector performance	Insertion loss(average)	Insertion loss(max)	Return loss
MPO low loss (Multi Mode)	0.10dB	0.30dB	N/A
MPO typical loss (Multi Mode)	0.20dB	0.50dB	N/A
LC or SC(Multi Mode)	0.08dB	0.15dB	N/A
MPO low loss (Single Mode)	0.20dB	0.75dB	>60dB
MPO typical loss (Single Mode)	0.20dB	0.75dB	>60dB
LC or SC(Single Mode)	0.10dB	0.20dB	>55dB

### [ORDER INFORMATION]

Part number	Description	大包装
FPM65-12-OM3	Multi mode 12 core MPO-LC fiber optical Cassette Module	大包装
FPM65-12-OM4	Multi mode 12 core MPO-LC fiber optical Cassette Module	大包装
FPM65-12-OS2	Single mode 12 core MPO-LC fiber optical Cassette Module	大包装
FPM65-24-OM3	Multi mode 24 core MPO-LC fiber optical Cassette Module	大包装
FPM65-24-OM4	Multi mode 24 core MPO-LC fiber optical Cassette Module	大包装
FPM65-24-OS2	Single mode 24 core MPO-LC fiber optical Cassette Module	大包装