

MFC16

FIBER CONVERTER

DESCRIPTION

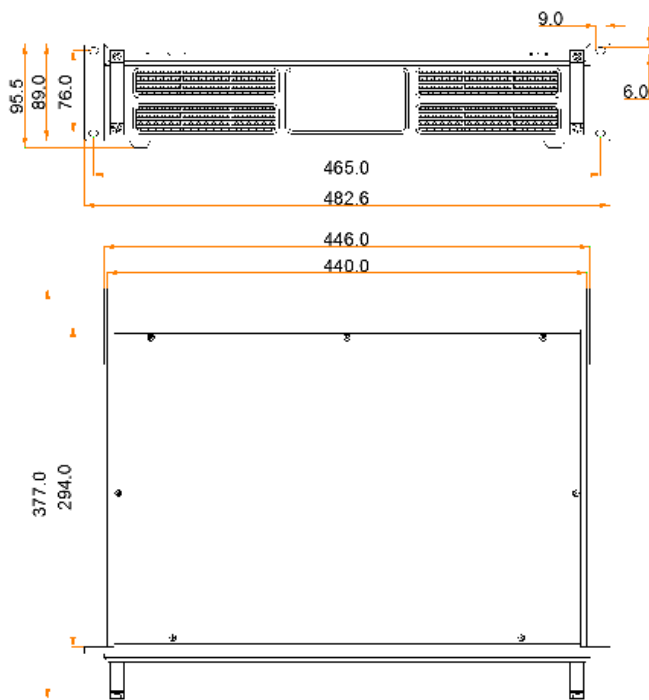
The MFC16 is a high-performance fiber converter developed by Starview. It is used for conversion between optical signals and electrical signals, allowing for long-distance signal transmission that is stable and not easily interfered with. Easy to use, the MFC16 makes it convenient to connect terminal devices and simplifies on-site wiring connections.

FEATURES

- 16x Neutrik Ethernet inputs or outputs
- 4x Multi-mode twin-core LC optical ports, two as master inputs or outputs and the others as backup
- Dual redundant power supplies, more stable and reliable
- 2 types of power connectors (3-pin power socket and PowerCON), satisfying different customer needs
- 2 types of control ports (type-B USB and Ethernet), more flexible and convenient to connect a control computer
- Various indicators on the front panel to show device status clearly



DIMENSIONS (MM)



Tolerance: ± 0.3

APPEARANCE

Front panel



Indicator	Color	Status	Description
1-16	Green	Always on	The Ethernet cable connection is normal.
	Yellow	Flashing	There is data transmission.
		Always on	There is no data transmission.
OPT1-OPT4	Green	Always on	The optical fiber connection is normal.
PWR	Red	Always on	The power supply is normal.
STAT	Green	Flashing	The device is functioning normally.

Rear panel



Input and Output		
OPT1-OPT4	<p>4x optical ports for data input or output</p> <p>OPT1 corresponds to Ethernet ports 1-8 and OPT2 corresponds to Ethernet ports 9-16. OPT3 is the backup of OPT1 and OPT4 is the backup of OPT2.</p>	
	<table border="0"> <tr> <td style="vertical-align: top;"> <p>MFC16-MM optical module description:</p> <ul style="list-style-type: none"> • Installed at the factory, hot pluggable • Transmission rate: 9.95 Gb/s to 11.3 Gb/s • Wavelength: 850 nm • Transmission distance: 300 m </td> <td style="vertical-align: top;"> <p>MFC16-MM optical fiber selection:</p> <ul style="list-style-type: none"> • Model: OM3/OM4 • Transmission mode: Multi-mode twin-core • Cable diameter: 50/125 μm • Connector type: LC • Insertion loss: ≤ 0.2 dB • Return loss: ≥ 45 dB </td> </tr> </table>	<p>MFC16-MM optical module description:</p> <ul style="list-style-type: none"> • Installed at the factory, hot pluggable • Transmission rate: 9.95 Gb/s to 11.3 Gb/s • Wavelength: 850 nm • Transmission distance: 300 m
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OPT1-OPT4	MFC16-SM optical module description: - Hot swappable - Transmission rate: 9.95 Gbit/s to 11.3 Gbit/s - Wavelength: 1310 nm - Transmission distance: 10 km	MFC16-SM optical fiber selection: - Transmission mode: Single-mode twin-core - Cable diameter: 9/125 μm - Connector type: LC - Insertion loss: ≤ 0.3 dB - Return loss: ≥ 45 dB
1- 16	16x Neutrik Gigabit Ethernet ports for data input or output	
Control		
ETHERNET	Ethernet port for control computer connection	
USB	Type-B USB port for control computer connection not for cascading	
Power		
AC 100 - 240V ~50/60Hz	Power input connectors, including a 3-pin power socket and a PowerCON socket For the PowerCON connector, users are not allowed to plug in hot.	

Technical specifications

MFC16

Electrical Specifications	Power supply	AC 100 V to 240 V, 50/60 Hz, 1.6 A
	Rated power consumption	10 W
Operating Environment	Temperature	-20°C to +60°C
	Humidity	10% RH to 90% RH, non-condensing
Storage Environment	Temperature	-20°C to +70°C
	Humidity	10% RH to 90% RH, non-condensing
Physical Specifications	Dimensions	482.6 mm × 377.0 mm × 96.0 mm
	Net weight	4.6 kg
Packing	Carrying case	530.0 mm × 193.0 mm × 420.0 mm, white cardboard box
Information	Accessory box	405.0 mm × 290.0 mm × 48.0 mm, white cardboard box Accessories: 1x Power cord, 1x Ethernet cable, 1x USB cable, 12x M4x10 screws
	Packing box	550.0 mm × 440.0 mm × 210.0 mm, craft paper box

The amount of power consumption may vary depending on factors such as product settings, usage, and environment.

For technical or sales support, please visit:

www.starviewint.asia

Performance specifications are typical. Due to constant research, specifications are subject to change without notice. For the most up-to-date specifications, please contact an authorized Starview representative.

For assistance with confirming the Jurisdiction & Classification of Starview Asia products, please contact info@starviewint.asia

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