Media Converter Chassis Rack

The MC family Media Converter Chassis is an ideal for high-density enterprise networks with cost-effective modular design makes it easy to add, upgrade or replace modules as needed. The MC-700 and MC-1500 are with 7 to 15 slots with independent power supply per slots that offers the sufficient power for the converters installed. The MC-1000R, not only with 10 slots, but also with a redundant power supply slot that allow an additionally power supply, that should prevent the downtime of your fiber-optic networks.

▲ MC-1500

▼ MC-700

▲ MC-1000R

Capable of accepting Ethernet, Fast Ethernet, Gigabit Ethernet fiber-optic conversion for different type of optic-fiber connector. This flexibility and ability to handle high-speed backbone technologies in a high-density, redundant unit is ideal for wiring centers in large LANs.

Ordering Hint

Part Number: *x*T-*nyyzzz*

x: Speed
- F → Fast Ethernet
- G → Gigabit Ethernet

n:
- 7 / 9 → pure converter
- 8 → with bridging

yy: Port Type
- 0 → Twisted Pair
- 1 → ST type Connector
- 2 → SC type Connector
- 3 → MT-RJ Connector
- 4 → VF-45 Connector
- 5 → LC Small Form Factor Connector
- 6 → Bi-directional WDM Connector (should comes in pair, A/B)

zzz: Distance / Type identification
- S15 / S35 / S50 → Single mode 15Km, 35Km, 50Km
- A15 / B110 → Bi-directional, type A 15 Km, type B 110 Km.

Note:
1. Default with no following zzz character could be multi-mode fiber-optic or one MM and the other SM
2. Part No. in the Ordering Information are standard products, different wiring distance, connectors not in the list will be available upon request!

Specification

Model	MC-700	MC-1500	MC-1000R
Capacity	7-slot	15-slot	10-slot
Dimension (W x D x H)	217 x 170 x 66 mm 2U; 10-inch rack	430 x 220 x 103 mm 2.4U; 19-inch rack	
Weight	2.7Kg	5.6Kg	
Power Input	100~240V AC, 50/60Hz		
Power output	5V DC, 4.4A max.	5VDC, 20A max.	5VDC, 24A max.
FAN	1	2	3 (2 For system, 1 for Power)
LED indication	2 Power, Fan	3 Power, Fan A, B	

Ordering Information

MC-700	7-slot Media Converter Chassis
MC-1500	15-slot Media Converter Chassis
MC-1000R	10-slot Media Converter Chassis with redundant power slot
RPS-120W	Redundant Power Supply for MC-1000R

PLANET Networking & Communication

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02-02 C-MC-3

Media Converter

- Media Converter Chassis
- Ethernet Media Converter
- Fast/Gigabit Ethernet Media Converter
- Multimode to Single Mode Fiber Converter

As your network grows and changes, so does you need for advanced media conversion technology. An ideal solution for updating, expanding or optimizing network performance in mixed-media switched environments. We design our converters and mounting options to mix-and-match in any network environment.

The Media Converter Chassis family is designed to be rack mounted for reliable , central-managed media conversion system . It is an innovative solution for the provision of multiple media conversion application.

All of Planet's stand-alone media converters can operate in the rack. Any combination of converters can be used in the same rack. Once installed, the media converter units are hot swappable to avoid network downtime. The device is powered by a single internal universal power supply, eliminating the need for multiple power connections.

It is very flexible of remove one or more converters as needed from the rack and use them as stand-alone media converters. Also, you can buy stand-alone converters today and rackmount in the future. We offer a simple conversion solution for your complex network environment.

PLANET Networking & Communication

The Planet Fast Ethernet 100Base-FX fiber to 100Base-TX shielded twisted pair(STP) converter. It supports selectable for half-duplex and full duplex operations and supports a variety of fiber options. The converter auto-adapts to the highest level of performance supported by the device connected to the STP port.

▼ FT-701B

When the device is a switch or a workstation that supports full duplex, the converter adapts to the full duplex mode and provides an effective 200Mbps bandwidth. When the connected device is a hub or a workstation that supports only half duplex, the converter adapts to the half-duplex mode and provides the nominal 100Mbps bandwidth.

▲ FT-802

An override switch provides total manual control over the half/fullduplex operation, in fiber-optic interface (FT-801/802). The fiber port of converter operates at 1300 nm and uses SC, ST, VF-45, or MT-RJ connectors. Multi-mode models that support distances up to 2 km and single-mode models that support distances up to 50 km are available.

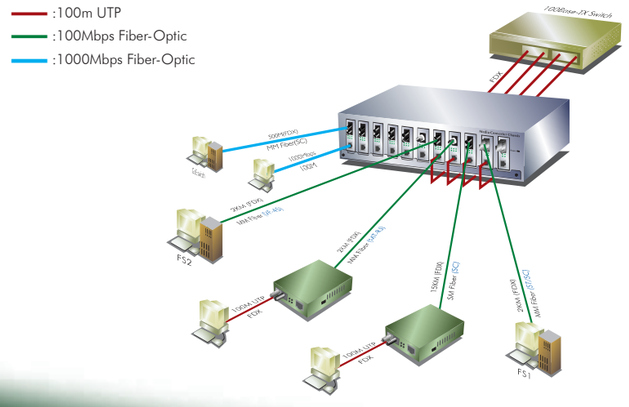
Specification

Protocol:	IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3ab 10/100Base-TX, 100Base-FX, 1000Base-T, 1000Base-SX/LX
Connectors and Cables:	
Twisted Pair STP:	
1000Mbps:	RJ-45, Category 5/5e (EIA/TIA568, 4-pair)
100Mbps:	RJ-45, Category 5 (EIA/TIA 568, 2-pair)
Multi-mode Fiber:	50/125μm, 62.5/125μm
Single-mode Fiber:	9/125μm
Supported Distances:	
Twisted Pair STP:	100 m / 328 feet
Multi-mode Fiber:	
1000Mbps:	220m /565 feet (62.5/125μm); 500m/1280 feet (50/125μm)
100Mbps:	412m/ 1350 feet (half-duplex); 2 km / 1.2mile (full-duplex)
Single-mode Fiber:	
1000Mbps:	10km /6.2 mile
100Mbps:	412m/ 1350 feet (half-duplex); 20 km /12.5mile (full-duplex)
Dimensions: (W x D x H)	70 x 94 x 26 mm
Weight (net weight)	210 g
Power:	5 V DC, 1A maximum
Environmental :	
Temperature:	0 ~ 40 degree C (operating)
Humidity:	0~90% (non-condensing)

To offer the flexible connectivity, the Gigabit Ethernet Converter GT-70x provides the simple way to convert your Gigabit copper interface into Gigabit fiber-optic interface with plug and play.

▲ GT-702

Being a transparent converter, the GT-702/702S convert the Gigabit copper 1000Base-T into Gigabit Fiber-optic 1000Base-SX or 1000Base-LX in full-duplex 2000Mbps speed for both two ends. Up to 500 meters can be achieved by a pair of multi-mode 50/125μm optic fiber cable. Or longer distance like 10 kilometers will also available through GT-702S with LX interface and single-mode optic fiber.



Ordering Information

FT-701B	100Base-TX to 100Base-FX (ST, Multimode) Media Converter
FT-702B	100Base-TX to 100Base-FX (SC, Multimode) Media Converter
FT-702S15	100Base-TX to 100Base-FX (SC, Single-mode), 15km Media Converter
FT-703	100Base-TX to 100Base-FX (MT-RJ, Multimode) Media Converter
FT-704	100Base-TX to 100Base-FX (VF-45, Multimode) Media Converter
FT-801	10/100Base-TX to 100Base-FX (ST, MM) Bridge Media Converter
FT-802	10/100Base-TX to 100Base-FX (SC, MM) Bridge Media Converter
GT-702	1000Base-T to 1000Base-SX (SC, MM) Ethernet Converter
GT-702S	1000Base-T to 1000Base-SX (SC, SM)Ethernet Converter

Specification

Connectors and Cables:	
Multi-mode Fiber:	50/125, 62.5/125 μm
Single-Mode Fiber:	9/125 μm
Supported Distances:	
Multi-mode	
Fiber (FT-722):	2 km / 1.2 mile (Full-Duplex) 412 m / 1,350 ft. (Half-Duplex)
(GT-922):	200~550m (565/1804 ft.)
Single-Mode	
Fiber (FT-722):	20 km / 12.5 mile (Full-Duplex) 412 m / 1,350 ft. (Half-Duplex)
(GT-922):	550~10km (0.3/6.2 mile)
LED Indicators	
(FT-722):	Power, FCTL, FX1 Link, FX2 Link, FX1 Active, FX2 Active
(GT-922):	Power, SD SX, SD LX
Dimensions:	70 x 94 x 26 mm (W x D x H)
Weight:	210g (net weight)
Power:	5V DC, 1A, max.
Environmental :	
Temperature:	0 to 40 degrees C
Humidity:	0-90% (non-condensing)

Provides a cost-effective solution to extend network distances by connecting multimode fiber networks or devices over single-mode fiber cabling. You can take advantage of existing single-mode fiber cabling to connect distant networks or devices up to 20km.

▲ GT-922/FT-722

The converter provides diagnostic data through LED indicators that assist in network installation and maintenance. The LED's report the availability of power and the detection of devices attached to the fiber ports.

Ordering Information

FT-722	100Base-FX (SC, MM) to 100Base-FX (SC, SM) Converter
FT-733	100Base-FX (MT-RJ, MM) to 100Base-FX (MT-RJ, SM) Converter
FT-744	100Base-FX (VF-45, MM) to 100Base-FX (VF-45, SM) Converter
GT-922	1000Base-SX (SC, MM) to 1000Base-LX (SC, MM/SM) Converter

Specification

Protocol:	IEEE 802.3, 10Base-FL, 10Base-T, 10Base-FL
Connectors and Cables:	
UTP:	RJ45 pins 1-2, 3-6 active, Categories 3,4,5 (EIA/TIA 568)
Coax:	BNC, 50 ohm, RG58A/U, RG58C/U, RG58/U or equivalent
Fiber Optic:	
Multi-mode Fiber (MM):	50/125, 62.5/125 μm
Supported Distance:	
10Base-T UTP:	100 m / 328 ft.
10Base-2 Coax:	185 m / 606 ft.
10Base-FL MM fiber:	2 km / 1.2 mile
LED Indicators:	Power, COL, BNC ACT, TP Link/ACT Power, COL, FL Link/ACT, TP Link/ACT
Dimensions:	70 x 94 x 26 mm (WxDxH)
Weight:	210g (net weight)
Power:	5V DC, 1A, max.
Environmental :	
Temperature:	0 to 40 degrees C
Humidity:	0-90% (non-condensing)

Ordering Information

ET-509A	10Base-2 to 10Base-T Media Converter
ET-508	10Base-T to 10Base-FL (Multi-Mode) Media Converter

Planet Ethernet 10Base-T converters includes TP to BNC and TP to FORIL converters. The ET-508 is a 10Base-T to 10Bae-FL converters that repeat the TP packets to the fiber-optic networks with up to 2 kilometers distance.

▲ ET-509A

The ET-509A is a 10Base-T to 10Base-2 converter that converts between twisted pair and coaxial LANs to join the same collision domain. Both TP port of the converters uses a modular EIA/TIA568 RJ-45 ports that accept Category 3 to 5 2-pair twisted pair cable. The FORIL interface of ET-508 deployed 850nm wavelength multi-mode optic ST interface.

▲ ET-508