

# MC-Series | **Media Converter Chassis**

Multi-Slots for Media Extension



**User's Manual**

# **Media Converter Chassis**

**MC-700 & MC-1000R & MC-1500**

**User's Manual**

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This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the Instruction manual, may cause harmful interference to radio

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To avoid the potential effects on the environment and human health as a result of the presence of hazardous substances in electrical and electronic equipment, end users of electrical and electronic equipment should understand the meaning of the crossed-out wheeled bin symbol. Do not dispose of WEEE as unsorted municipal waste and have to collect such WEEE separately.

## **Revision**

PLANET Media Converter Chassis User's Manual

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## **1. Overview**

The 10/19-inch Media Converter Chassis, MC-700, MC-1000R & MC-1500 is designed to accommodate 7/10/15 units of various type media converter at a central location for multiple segments cross connection. Independent power supply in each bay of the MC-700/MC-1000R/MC-1500, you can freely install the converters without interrupting the rest of networks. Moreover, each bay of the media center can deploy to PLANET'S converter family like Ethernet, Fast Ethernet twisted pair to Fiber-optic conversion, Gigabit SX to LX conversion and the VDSL2 converter family etc..., The slide-in media converters are available for use at 10/19-inch Media Converter Chassis.

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## **2. Checklist**

Before you start installing the Converter, verify that the package contains the following:

- The Media Converter Chassis
- Mounting Accessory (for 10/19" Chassis Shelf)
- This User's Manual
- AC Power Cord

Please notify your sales representative immediately if any of the above-mentioned items is missing or damaged.

### 3. Panel Description

The front panel of the MC-700 is as below:

- 7 open slots for media converters
- 2 LED indicators for system and fans

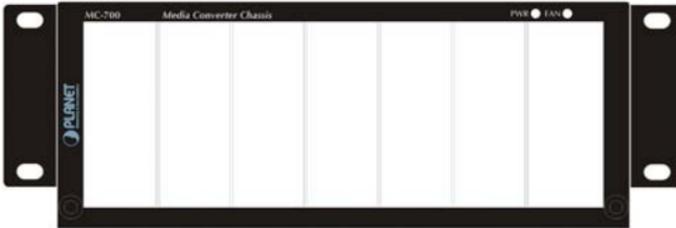
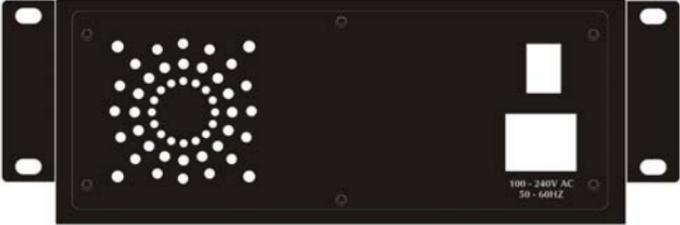


Fig. 1 Front View of 10-inch Converter Chassis MC-700

#### LED indications:

Printing	LED Status	Description
PWR	ON	The chassis is powered.
	OFF	The chassis is not powered or power failure if the AC outlet is with 100~240V AC voltage. Please consult your local dealer if power failure.
FAN	ON	The fan is functional ok.
	OFF	The fan is not powered or it is malfunction. If the fan LED remains off while power is on. Please consult your local dealer to replace the FAN.

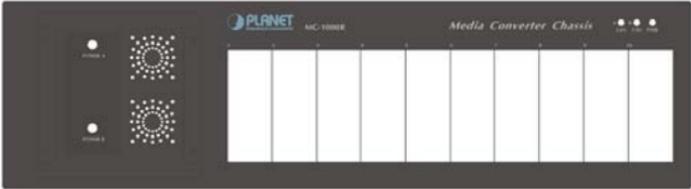
The rear panel of the MC-700 is with one fan, one ON/OFF Switch and a power inlet that accept 100~240V AC, 50/60Hz power input.



**Fig. 2** Rear view of MC-700

The front panel of the MC-1000R is as below:

- 10 open slots for media converters
- 3 LED indicators for system and fans



**Fig. 3** Front View of 19-inch Converter Chassis MC-1000R

## LED indications:

Printing	LED Status	Description
PWR	ON	The chassis is powered.
	OFF	The chassis is not powered or power failure if the AC outlet is with 100~240V AC voltage. Please consult your local dealer if power failure.
FAN A / FAN B	ON	The fan is functional O.K.
	OFF	The fan is not powered or it is malfunction. If the fan LED remains off while power is on. Please consult your local dealer to replace the FAN.

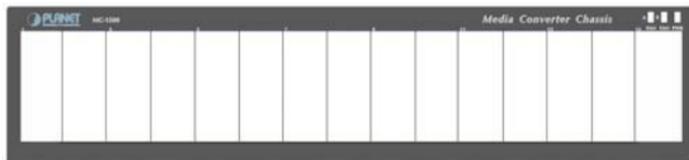
The rear panel of the MC-1000R is with two fans, one ON/OFF Switch and a power inlet that accept 100~240V AC, 50/60Hz power input.



**Fig. 4** Rear view of MC-1000R

The front panel of the MC-1500 is as below:

- 15 open slots for media converters
- 3 LED indicators for system and fans



**Fig. 5** Front View of 19-inch Converter Chassis MC-1500

## LED indications:

Printing	LED Status	Description
PWR	ON	The chassis is powered.
	OFF	The chassis is not powered or power failure if the AC outlet is with 100~240V AC voltage. Please consult your local dealer if power failure.
FAN A / FAN B	ON	The fan is functional O.K
	OFF	The fan is not powered or it is malfunction. If the fan LED remains off while power is on. Please consult your local dealer to replace the FAN.

The rear panel of the MC-1500 is with two fans, one ON/OFF Switch and a power inlet that accept 100~240V AC, 50/60Hz power input.



**Fig. 6** Rear view of MC-1500



Note

1. The device is a power-required device, it means, it will not work till it is powered. If your networks should active all the time, please consider use an UPS (Uninterrupted Power Supply) for your device. It will prevent you from network data loss or network downtime.
2. In some area, installing a surge suppression device may also help to protect your chassis from being damaged by unregulated surge or current to the converter or the power adapter.
3. MC-700 provide 22watt total power dissipation, MC-700 maximum allow installing 2 Gigabit Converter in each MC-700.

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## 4. Installation

### 4.1 Installing Media Converter Chassis to 10/19-inch Wiring Closet Rack

- Install four screws through mounting ears into each side
- Locate Converter Chassis at 10/19-inch mounting rails and screw up the front brackets
- Set Main power switch at "OFF" position before connecting the power cord

### 4.2 Installing Converters to the Media Converter Chassis

- Turn off the Converter Chassis power
- Verify the Media Converter is right for this Chassis and locate +5VDC power jack on converter back, carefully slide in and plug to match 10"/19" Chassis slot +5V DC receptacle. Push up the picket fence to lock the converters



Note

The slide-in Media Converters and Converter Chassis should be supplied only from PLANET, both Media Converters and Chassis are built to match each other at dimensions, DC power jack, and DC receptacle and power safety.

- Ensure that there is no activity in the network
- Connect the media cable for network connection
- Turn on the chassis power, the Power LED, and both FAN LED indicators will light up

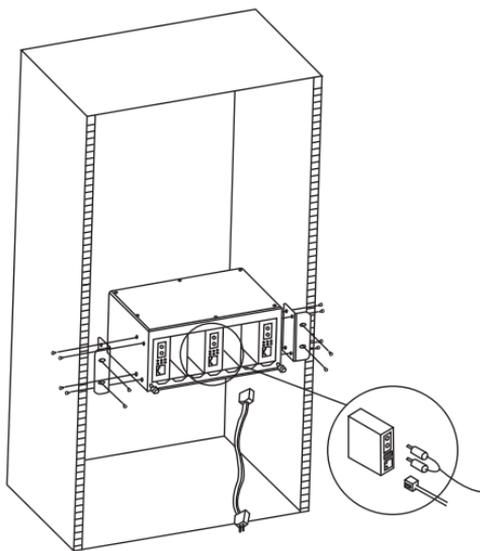
### 4.3 Converter Check point

<b>Fiber Port</b>	Attach the fiber cable. The Tx, Rx fiber cable must be paired at both ends	 <p>2.5mm DC Receptacle 2.5mm +5V for each slot</p> <p>DC receptacle is 2.5mm wide that conforms to and matches the Media Converter 2.5mm DC jack's central post. Do not install any improper unit, model of the Media Converter</p>
<b>TP Port</b>	<p>Attach UTP Cat. 3 or 5 cable to TP port</p> <p>MPR: To a Hub or Repeater</p> <p>DTE: To a workstation or NIC</p>	
<b>BNC Port</b>	<p>Slide switch "DTE"/"MPR" is on the side panel. Default: MPR</p> <p>Attach T-Connector to BNC port and connect the RG-58 coaxial network.</p> <p>Ensure the coaxial cable/segment is terminated at both ends properly.</p>	

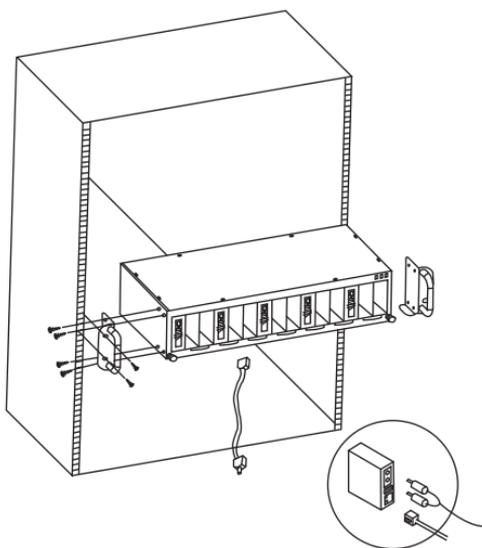


Note

For safety reason, it is recommend storing the AC adapter of the converter in a known secured place. For more about converter, refer to the user guide of the converter.



**Fig. 7** Installing MC-700 in 10-inch Wiring Closet Rails



**Fig. 8** Install MC-1000R / MC-1500 in 19-inch Wiring Closet Rails

## 5. MC-700 Converter Chassis Specifications

<b>Dimension</b>	217 mm x 88.5 mm x 140 mm (W x H x D)
<b>Converter slots</b>	7 slots
<b>Power Input</b>	100~240V AC, 50/60Hz
<b>Power Dissipation</b>	22 watt maximum
<b>Power Output per slot</b>	+5V DC
<b>DC Plug per slot</b>	2.5 mm DC receptacle
<b>LED indication</b>	2; Power, FAN
<b>Environment</b>	Temperature: 0 ~ 50 degree C (operating) -20~70 degree C (storage) Humidity: 0~90% non-condensing
<b>Emission</b>	FCC Part 15 Class A, CE

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## 6. MC-1000R Converter Chassis Specifications

<b>Dimension</b>	440 mm x 125 mm x 220 mm (W x H x D)
<b>Converter slots</b>	10 slots
<b>Power Input</b>	100~240V AC, 50/60Hz
<b>Power Dissipation</b>	100 watts / one power unit
<b>Power Output per slot</b>	+5V DC
<b>DC Plug per slot</b>	2.5 mm DC receptacle
<b>LED indication</b>	3; Power, FAN A, FAN B
<b>Environment</b>	Temperature: 0 ~ 50 degree C (operating) -20~70 degree C (storage) Humidity: 0~90% non-condensing
<b>Emission</b>	FCC Part 15 Class A, CE

## 7. MC-1500 Converter Chassis Specifications

<b>Dimension</b>	438 mm x 103 mm x 200 mm (W x H x D)
<b>Converter slots</b>	15 slots
<b>Power Input</b>	100~240V AC, 50/60Hz
<b>Power Dissipation</b>	100 watt maximum
<b>Power Output per slot</b>	+5V DC
<b>DC Plug per slot</b>	2.5 mm DC receptacle
<b>LED indication</b>	3; Power, FAN A, FAN B
<b>Environment</b>	Temperature: 0 ~ 50 degree C (operating) -20~70 degree C (storage) Humidity: 0~90% non-condensing
<b>Emission</b>	FCC Part 15 Class A, CE

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