

Media Converter Chassis

MC-700/1500/1500R/1500R48

User's Manual

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1. Package Contents

Before starting installing the Converter, verify the following parts in the package:

- Media Converter Chassis x 1
- User's Manual x 1
- Mounting Accessory (for 10/19" Chassis Shelf) x 1
- Rubber Feet x 4
- AC Power Cord x 1

If any of these are missing or damaged, please contact your dealer immediately; if possible, retain the carton including the original packing material, and use them again to repack the product in case there is a need to return it to us for repair.

2. Product Features

- High-quality 10"/19" Rack-mountable Chassis installation
- Supports up to 7 or 15 hot-swappable media converters
- One fan provides an effective system cooling, and LED indicators for system and fan status (MC-700)
- Two fans provides an effective system cooling, and LED indicators for system and fan status (MC-1500/1500R/1500R48)
- The power slot on the rear panel is for redundant power with option of 100~240V AC or -48V DC supplies (MC-1500R/1500R48)
- Bay power isolation to ensure each bay is electrically isolated from each other
- Supports multiple converters with 10/100/1000Mbps, copper, fiber, single/multi-mode ST/SC/SFP connectors
- Reduces the effort of converter maintenance and management, and diagnoses the status at one time
- Cost-effective, easy to install

3. Media Converter Chassis Front Panel

Figures 3-1, 3-2 and 3-3 show the front panels of MC-700, MC-1500, MC-1500R and MC-1500R48.

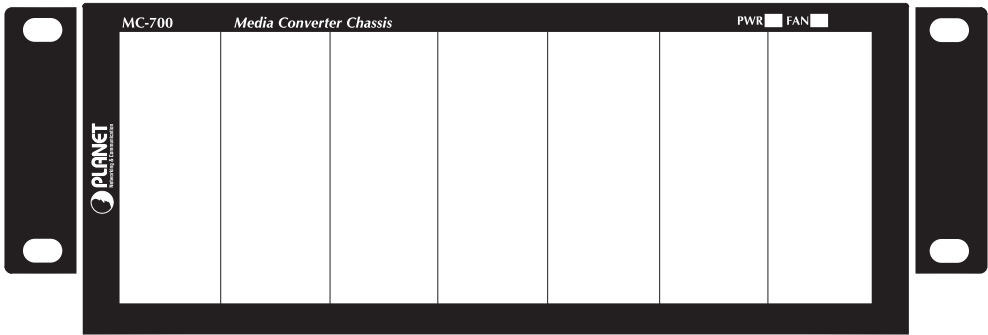


Figure 3-1: MC-700 Front Panel

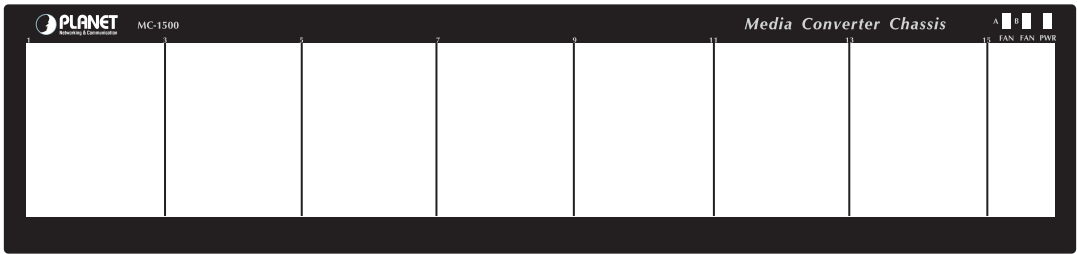


Figure 3-2: MC-1500 Front Panel

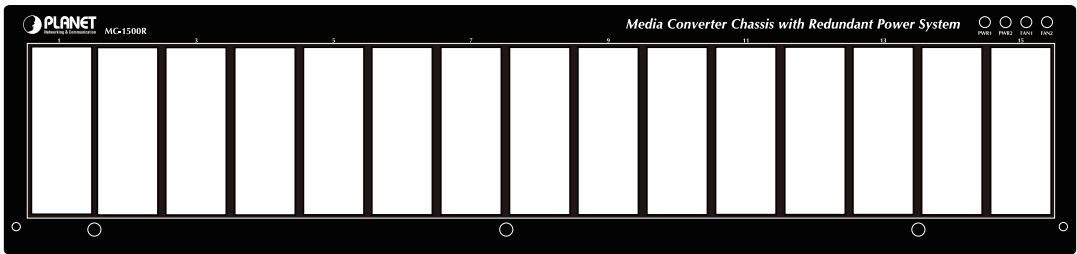


Figure 3-3: MC-1500R/1500R48 Front Panel

4. LED Indicators

MC-700

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

MC-1500 Series

Printing	LED Status	Description
PWR	ON	The chassis is powered.
	OFF	The chassis is not powered or power fails.
Fan A/Fan B	ON	The fan is functional.
	OFF	The fan is not powered or it malfunctions if the fan LED remains off while power is on. Please consult your local dealer to replace the fan.

5. Media Converter Chassis Rear Panel

Figures 5-1, 5-2 and 5-3 show the rear panels of MC-700, MC-1500 and MC-1500R/ MC-1500R48.

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

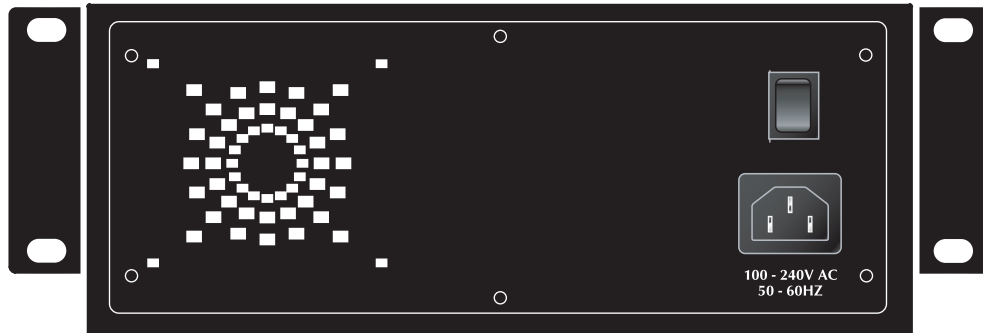


Figure 5-1: MC-700 Rear Panel

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

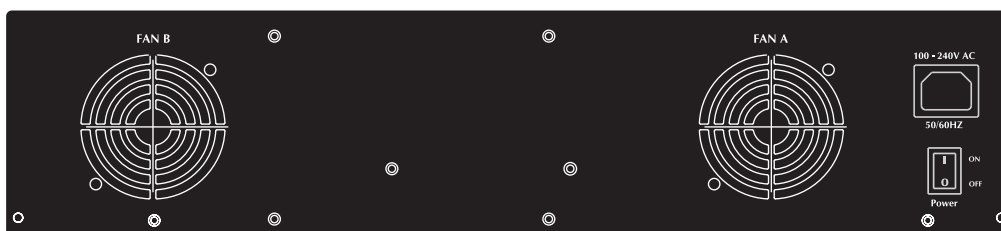


Figure 5-2: MC-1500 Rear Panel

The rear panel of the MC-1500R/1500R48.

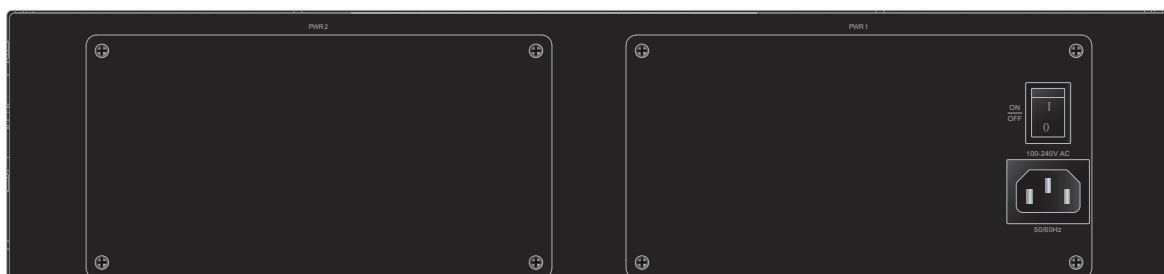


Figure 5-3: MC-1500R/1500R48 Rear Panel



Note

1. The MC-1500R is shipped with one 100~240V AC power supply module (MC-15RPS200).
2. The MC-1500R48 is shipped with one -48V DC power supply module (MC-15RPS48).



Caution and shock hazard:

Remove all power cords before removing top cover. Connect only to a properly earth grounded outlet.



Note



Attention et risque d'électrocution:

Retirez tous les cordons d'alimentation avant de retirer le capot supérieur. Branchez l'appareil uniquement sur une prise correctement reliée à la terre.



Power
Notice

1. The device is a power-required device, meaning, it will not work till it is powered. If your networks should be active all the time, please consider using a proper UPS (Uninterrupted Power Supply) for your device. It will prevent you from network data loss or network down-time.
2. In some areas, 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.

6. Installing the Media Converter Chassis

6.1 Installing Media Converter Chassis in 10-/19-inch Wire Closet Rack

- Place four screws through mounting ears on 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.

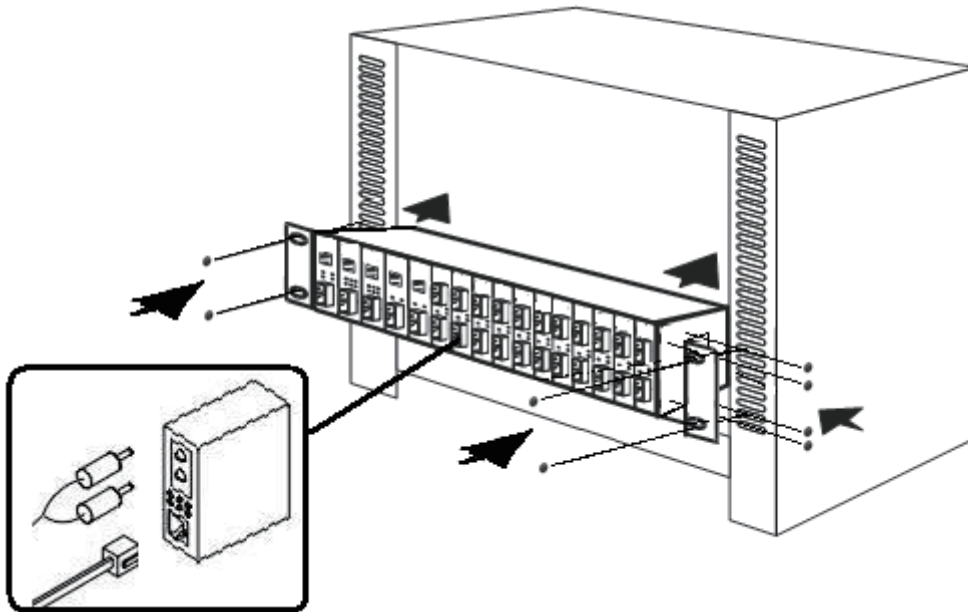


Figure 6-1: Installing Media Chassis in Wire Closet Rails

Rack Mount Instructions

- A) Elevated Operating Ambient -- If installed in a closed or multi-unit rack assembly, the operating ambient temperature of the rack environment may be greater than room ambient. Therefore, consideration should be given to installing the equipment in an environment compatible with the maximum ambient temperature (T_{ma}) specified by the manufacturer.
- B) Reduced Air Flow -- Installation of the equipment in a rack should be such that the amount of air flow required for safe operation of the equipment is not compromised.
- C) Mechanical Loading -- Mounting of the equipment in the rack should be such that a hazardous condition is not achieved due to uneven mechanical loading.
- D) Circuit Overloading -- Consideration should be given to the connection of the equipment to the supply circuit and the effect that overloading of the circuits might have on overcurrent protection and supply wiring. Appropriate consideration of equipment nameplate ratings should be used when addressing this concern.
- E) Reliable Earthing -- Reliable earthing of rack-mounted equipment should be maintained. Particular attention should be given to supply connections other than direct connections to the branch circuit (e.g. use of power strips).

Installation dans un rack

- A) Milieu de fonctionnement – Si installé dans un milieu clos ou rassemblé dans un rack, la température ambiante dans ce dernier peut être plus élevée que celle de la salle. Il est recommandé d'installer l'équipement dans un environnement et des températures compatibles avec les spécifications du fabricant.
- B) Aération réduite – L'installation dans un rack ou armoire doit s'effectuer de façon à ne pas empêcher la circulation d'air nécessaire au bon fonctionnement de l'équipement.
- C) Montage Mécanique – La pose mécanique de l'équipement doit se faire de façon à éviter un déséquilibre qui pourrait engendrer un danger.
- D) Surcharge des circuits – faire attention lors de la connexion au circuit électrique à ne pas surcharger les protections ni les câbles d'alimentation. Bien faire attention aux valeurs nominales marquées sur l'équipement.
- E) Mise à la terre – Veuillez à une bonne mise à la terre du rack dans lequel est monté l'équipement. Il faut particulièrement y veiller lorsqu'on utilise une alimentation de secours.

6.2 Installing Converters in 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 as far as dimensions, DC power jack, and DC receptacle and power safety are concerned.

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

6.3 Converter Checkpoints

Fiber Port	Attach the fiber cable. The Tx, Rx fiber cable must be paired at both ends.		2.5mm DC Receptacle 2.5mm +5V for each slot 
TP Port	Attach UTP Cat. 3 or 5 cable to TP port.	DC receptacle is 2.5mm wide that conforms to and matches the Media Converter 2.5mm DC jack's central pole. Do not install any improper unit.	



Note

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

7. Product Specifications

MC-700 Converter Chassis Specifications

Dimensions	217 x 88.5 x 140 mm (W x H x D), 2U height
Converter Slots	7 slots
Power Input	100~240V AC, 50/60Hz
Power Consumption	40 watts maximum/136BTU
Power Output Per Slot	+5V DC
DC Plug Per Slot	2.5 mm DC receptacle
LED Indication	2; Power, Fan
Fan	1
Temperature/Humidity	Operating Environment 0~50 degrees C; Humidity: 5~90% non-condensing Storage Environment -40~70 degrees C; Humidity: 5~90% non-condensing
Emission	FCC Part 15 Class A, CE

MC-1500 Converter Chassis Specifications

Dimensions	440 x 103 x 180 mm (W x H x D), 2.4U height
Converter Slots	15 slots
Power Input	100~240V AC, 50/60Hz
Power Consumption	70 watts maximum/238BTU
Power Output Per Slot	+5V DC
DC Plug Per Slot	2.5 mm DC receptacle
LED Indication	3; Power 1, Fan A, Fan B
Fan	2
Temperature/Humidity	Operating Environment 0~50 degrees C; Humidity: 5~90% non-condensing Storage Environment -40~70 degrees C; Humidity: 5~90% non-condensing
Emission	FCC Part 15 Class A, CE

MC-1500R/MC-1500R48 Converter Chassis Specifications

Model	MC-1500R	MC-1500R48
Dimensions	440 x 103 x 180 mm (W x H x D), 2.4U height	
Converter Slots	15 slots	
Power Input	100~240V AC, 3.3A, 50-60Hz	-48V DC 2A, Range: -40V ~ -60V
Power Consumption	10.7 watts/36BTU (1 x power supply, not including converters) 88.3 watts/301BTU (Full loading)	5.3 watts/18BTU (1 x power supply, not including converters) 80 watts/272BTU (Full loading)
Power Output Per Slot	Each slot 5V, 1A	
DC Plug Per Slot	2.5 mm DC receptacle	
LED Indication	4; Power 1, Power 2, Fan A, Fan B	
Fan	2	
Temperature/ Humidity	Operating Environment 0~50 degrees C; Humidity: 5~90% non-condensing Storage Environment -40~70 degrees C; Humidity: 5~90% non-condensing	
Emission	FCC Part 15 Class A, CE	

8. Customer Support

Thank you for purchase PLANET products. You can browse our online FAQ resource at the PLANET Web site first to check if it could solve you issue. If you need more support information, please contact PLANET Media Converter support team.

PLANET online FAQs:

<https://www.planet.com.tw/en/support/faq>

Media Converter support team mail address:

support@planet.com.tw

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FCC Warning

This equipment has been tested and found to comply with the regulations 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 this user's guide, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference, in which case the user will be required to correct the interference at his own expense.

Avertissement de la FCC

Cet équipement a été testé et jugé conforme à la réglementation pour un appareil numérique de classe A, conformément à la partie 15 des règles de la FCC. Ces limites sont conçues pour fournir une protection raisonnable contre les interférences nuisibles lorsque l'équipement est utilisé dans un environnement commercial. Cet équipement génère, utilise et peut émettre de l'énergie radiofréquence et, s'il n'est pas installé et utilisé conformément au présent guide de l'utilisateur, peut causer des interférences nuisibles aux communications radio. Le fonctionnement de ces équipements dans une zone résidentielle est susceptible de provoquer des interférences préjudiciables, auquel cas l'utilisateur sera tenu de corriger les interférences à ses propres frais.

CE Mark Warning

This is a Class A product. In a domestic environment, this product may cause radio interference, in which case the user may be required to take adequate measures.

This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

Avertissement de marquage CE

Il s'agit d'un produit de classe A. Dans un environnement domestique, ce produit peut provoquer des interférences radio, auquel cas l'utilisateur peut être tenu de prendre des mesures adéquates.

Cet équipement est conforme à la classe A du CISPR 32. Dans un environnement résidentiel, cet équipement peut causer des interférences radio.

WEEE Warning



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.

Avertissement WEEE



Afin d'éviter les effets potentiels sur l'environnement et la santé humaine résultant de la présence de substances dangereuses dans les équipements électriques et électroniques, les utilisateurs finaux d'équipements électriques et électroniques devraient comprendre la signification du symbole du bac à roulettes barré. Ne jetez pas les WEEE en tant que déchets municipaux non triés et devez les collecter séparément.