

MCT-RACK-12

12 SLOTS COMPACT MEDIA CONVERTER CHASSIS

User's Guide Version 2.0

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FCC Warning

The MCT-RACK-12 media converter chassis have been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These standards are designed to provide reasonable protection against harmful interference when these devices are operated in a commercial environment. These devices generate, use, and can radiate radio frequency energy and may cause harmful interference to radio communications unless installed in accordance with this User's Guide. Operation of these devices in a residential area is likely to cause harmful interference which will make the user responsible for the appropriate remedial action at his / her own expense.

CE Mark Warning

These are Class A products. In a domestic environment these products may cause radio interference in which case the user will need to consider adequate preventative methods.

1. Checklist

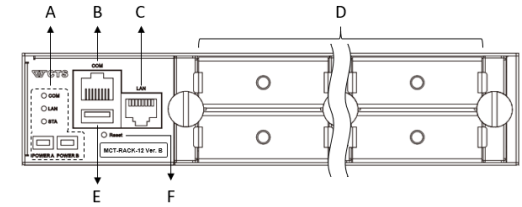
The item listed below should be included in the package:

- 1 x MCT-RACK-12
- 1 x AC Power Cord (only for -1A model)
- 2 x AC Power Cord (only for -2A model)
- 4 x Screws
- 4 x Rubber Foot
- 1 x RJ-45 Cable for pulling media converter (150mm)
- 2 x Cover Plate for Power Slot

Please contact your sales representative immediately if any items are missing or damaged.

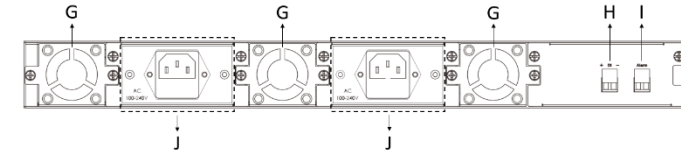
2. Appearance

2.1 Front Panel



- A. LED indicators
- B. RS-232 to RJ-45 console port (N/A)
- C. 10/100Mbps RJ-45 LAN port (N/A)
- D. 12 x Media converter slots
- E. USB host (N/A)
- F. Reset button (N/A)

2.2 Rear Panel



- G. Smart Fan
- H. Digital Input Terminal Block (N/A)
- I. Digital Output Terminal Block (N/A)
- J. Slot for AC/DC power module

2.3 LED Definitions

Chassis LED

LED	Definition	Color	Operation
Power A Power B	Power Status	Off	The power is currently unavailable
		Green	The power is currently available.
STA	System Status	-	N/A
LAN	LAN Port Status	-	N/A
COM	Console Port Status	-	N/A

MCT Series Media Converter LED

Please refer to the User's Manual that comes with the MCT Series Media Converters for LED indications.

3. Installation

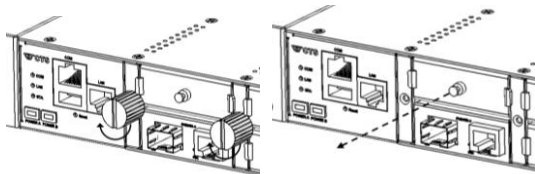
Basic Requirements

- Environmental conditions
 - One power outlet for MCT-RACK-12 internal power supply
 - One power outlet for Redundant Power Supply
 - Proper ventilation
 - Proper isolation to electrical noise, radio, etc.
 - RJ-45 cables should not run in the same duct with power and phone line cables.
- Required MCT series media converters
- Required Fiber and RJ-45 cables
- Redundant Power Supply
- Rack mounting tools

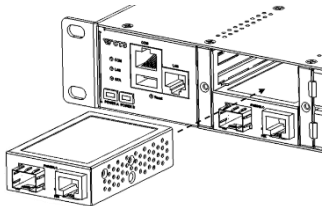
CAUTION!
To prevent any damage or failure of the MCT-RACK-12, please DO NOT block the ventilation holes.

3.1 Install MCT Series Media Converters

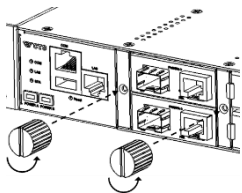
- Step 1. Plan the MCT Series Media Converters slot positions.
 - All slots are identical
 - MCT Series Media Converters can be installed into any slots
- Step 2. Rotate the fastening knobs counterclockwise to loosen them, and then remove the cover plate from the chosen installation slot.



- Step 3. Insert MCT Series Media Converters fully into the selected slot.
 - Ensure the MCT Series Media Converter is completely inserted into the slot.



- Step 4. Secure the fastening knob on MCT-RACK-12



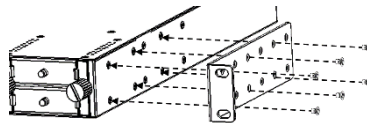
- Step 5. Repeat step 2 to 4 for all the MCT Series Media Converters.
- Step 6. Install the pulling cable provided in the package with a media converter to pull it out easily.

3.2 Desktop Installation

Assure the MCT-RACK-12 is placed on a well ventilated, flat position.

3.3 Standard 19-Inch Rack Installation

CAUTION!
Please ensure the secure mounting of the MCT-RACK-12 in the rack to prevent any potential damage to the system or risk of injury to personnel due to the unit falling.



- Step 1. Align the mounting brackets to the screw holes on MCT-RACK-12 as the diagram
- Step 2. Secure the screws into screw holes to MCT-RACK-12 as the diagram.
- Step 3. Replicate the procedures in step 1 and step 2 on the symmetrical opposite side.
- Step 4. Align the MCT-RACK-12 with mounting brackets on into the selected mounting rail position, then secure the screws carefully and firmly.

3.4 Connect MCT Series Media Converters to network

Please refer to the User's Manual that comes with the MCT Series Media Converters for cabling specifications and direction.

3.5 Connect Power Supply

CAUTION!
Do NOT turn on power source switch before connecting with MCT-RACK-12. Incorrect operation may result in system damage, potential human injury or casualties.

- Step 1. Insert new power supply carefully into the slot. Make sure that the power supply is firmly connected.
 - Step 2. Secure the fastening screw.
- NOTE
 - Power supply is hot-swappable in each slot.
 - Power supply is active and operates concurrently with internal power supply.

3.6 Power On the MCT-RACK-12

- Step 1. Check the power outlet.
- Step 2. Connect the power cord to the power outlet.
- Step 3. Turn the MCT-RACK-12 power on.
- Step 4. Check whether the Power LED turns green.

4. Technical Specification

LED	Power A, Power B
Power	Input AC: 100V - 240V, 50/60Hz, 1.4~0.7A Input DC: 48V
Power Consumption	Full load: 72W (245.67BTU/h)
Weight	5.7kg
Dimensions	440 x 342 x 44mm (W x D x H)
Temperature	Operation: 0°C ~ 50°C Storage: -20°C ~ 60°C
Humidity	Humidity: 5% ~ 90%, Non-Condensing
Certification	CE/FCC Class A

Note: Specifications may change without prior notice. Please contact us for further reports and updates.

5. Support and Resource

For technical support and access to the full documentation or product files, please visit our website's support page through the provided link below or by scanning the QR code located on the right side.

- <https://www.ctsystem.com/en/product/MCT-RACK-12/>
Please scroll down the page to access the download section, where you can download the hardware manual, software manual, or MIB file of your choices.



Any queries and feedbacks are welcome, please feel free to contact us through email info@ctsystem.com.



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