



INSTALLATION AND OPERATION MANUAL

CWCHASSIS

Commercial Grade Media Converter Rack Mount Chassis With Single or Dual Power Supplies

The CWCHASSIS is supplied with a single power supply but can also be fitted with a second power supply (sold separately) that provides redundancy in the unlikely event of a power supply failure. LED indicators provide visual indication in the event that one of the two power supply modules has failed. The design approach employed by ComNet for equipment mounted within the CWCHASSIS chassis rack unit with two modular CWCHASSISPSU power supplies, provides for the elimination of a single-point failure in the event of a major fault within any module located within the chassis rack. This is accomplished through the use of automatic electronic current limiting within each rack-mountable module, rather than providing the current limiting within the power supply unit which supports the power requirements for equipment located within the rack. This automatic current limiting feature is also self-resetting, should the fault or overload be of a temporary or intermittent condition. Furthermore, all modules located within the chassis rack are hot-swappable, so that it is not necessary to power-down the rack when removing or replacing modules.

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Package Contents

- » The CWCHASSIS 10 slot Rack Chassis
- » Region-Specific Power cord
- » Rubber feet
- » Rack mount kit
- » User manual

Compare the contents of your CWCHASSIS package with the standard checklist above. If any item is missing or appears damaged, please keep the carton and original packaging materials if possible in case you need to return the chassis for repair.

Hardware Description

This Chapter describes the hardware of the CWCHASSIS rack including Front panel, LEDs, and Rear panel.

The CWCHASSIS rack is a modular unit, and its chassis contains 10 slots for optional media converters.

The physical dimensions of the rack are: 440 × 266 × 133 mm

Front Panel

The Front Panel of The CWCHASSIS rack contains 10 slots for optional media converters and LEDs to indicate dual redundant power supply status.



The Front Panel of the CWCHASSIS rack

Rear Panel

The IEC power plug, on/off switch and ventilation fan are located on the Rear Panel of the CWCHASSIS rack displayed in below. The Chassis will work with AC in the range AC 100~240 VAC, 50/60 HZ. The redundant power slot is positioned behind the front panel of the CWCHASSIS rack.



The Rear Panel of the CWCHASSIS rack

LED Indicators

There are 4 diagnostic LEDs located on the Front panel of the CWCHASSIS rack. They provide real-time information of system and operational status. The indicators include Power Good (A, B) and Power Fail (A, B). The following table provides a description of the LED status and their meanings.

LED	Color	Status	Description
Power A Good	Green	Solid	Power Module A is Ready
		Off	Power Module A is Not Ready
Power B Good	Green	On	Power Module B is Ready
		Off	Power Module B is Not Ready
Power A Fail	Orange	On	Power Module A is in Failure
		Off	Power Module A is Ready
Power B Fail	Orange	On	Power Module B is in Failure
		Off	Power Module B is Ready

Rack Mount Installation

This Chapter provides the installation procedure of The CWCHASSIS rack.

Hardware Installation

The CWCHASSIS rack is suitable for use in an office environment where it can be rack-mounted in standard EIA 19-inch racks or standalone.

Desktop Application

1. Set The CWCHASSIS on a sufficiently large flat space with a power outlet nearby.
2. Apply the rubber footpads to each corner on the bottom of the Chassis. These pads cushion the switch against shock/vibration.
3. Connect the power cord. The power supply is self-adjusting for AC input power between 110 and 220 Volts.

Note: Air vents must not be blocked and must have free access to the room ambient air for cooling.

Rack Mounting

To stack The CWCHASSIS rack in a standard 19-inch EIA rack, use the supplied mounting kit. This kit contains 2 side-mounting brackets and 10 bracket screws.

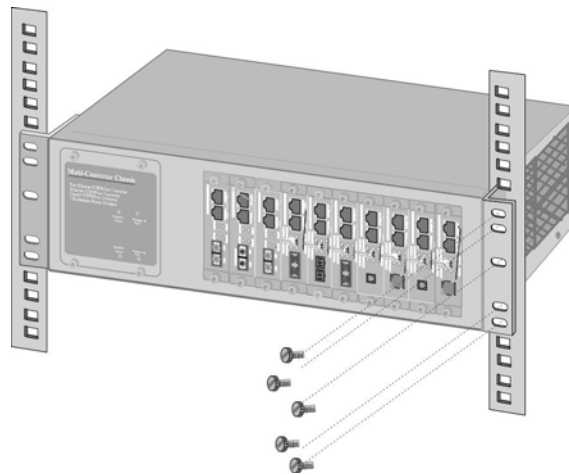
Perform the following steps to rack mount the Chassis:

1. Position one bracket to align with the holes on one side of the switch and secure it with the smaller bracket screws. Then attach the remaining bracket to the other side of the switch.



Attaching Mounting Brackets

2. After attached both mounting brackets, position the switch in the rack by lining up the holes in the brackets with the appropriate holes on the rack. Secure the switch to the rack with a screwdriver and the appropriate rack-mount screws (not supplied).



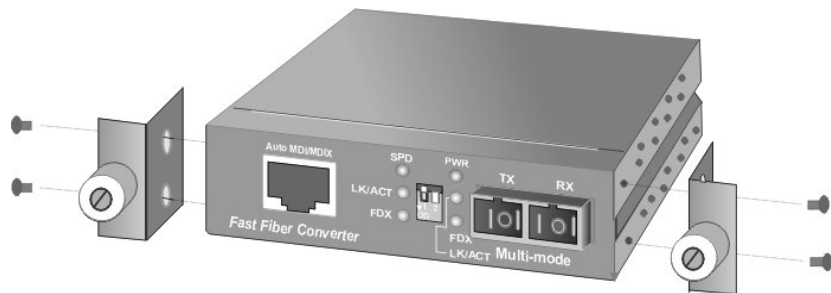
Rack Mount the Chassis

Note: For proper ventilation, allow about 6 inches of clearance on all sides of the Chassis. This is especially important for enclosed rack installations.

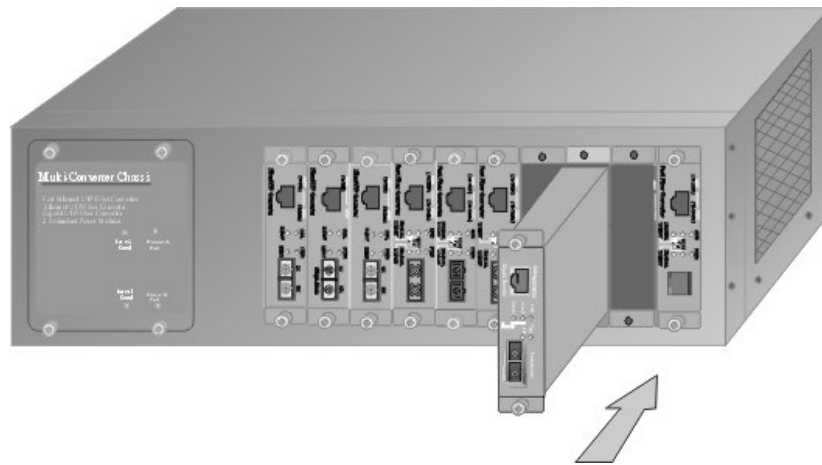
Media Converter Installation

This Chapter provides the installation procedure of the sold separately CWFE2SC(M,S)2 and CWGE2SFP series media converters within the CWCHASSIS rack.

1. Remove the slot blanking on the CWCHASSIS rack by unscrewing the two fixing screws using a screwdriver. Put the blank panel aside, but don't discard the blank panel in case it is required at a later date.
2. Open the rack mount ear kit (10pcs are supplied with each CWCHASSIS). The kit contains two-rack mount ears (with thumbscrew) and four screws. Do not discard any unused ear kits in case these are required for additional media converter modules in the future.
3. Attach a rack mount ear on both sides of the media converter by using a screwdriver to secure the rack mount ears.



4. Install the media converter by inserting it into the guides and sliding it in until it stops. Press it firmly until the power plug in the chassis plugs into the media converter receptacle. Slide the media converter in smoothly.



5. Gently push the thumbscrews in and turn clockwise to tighten. Do not over tighten the thumbscrews.

MECHANICAL INSTALLATION INSTRUCTIONS

ComNet Customer Service

Customer Care is ComNet Technology's global service center, where our professional staff is ready to answer your questions at any time.

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