CVH-2000
14-Slot Media Converter Chassis

Quick Installation Guide

Ver. 1.2- 1305

Table of Contents

1. Introduction

Media Converter Chassis

The CVH-2000 Media Converter Chassis provides compact management on up to 14 optional modular converter units, which allows your network connectivity to be more flexible. Maximum 14 sets of 10M, 100M, 10/100M, 1000M multimode, single mode optical transceivers can be installed in one frame under uniform power supply. This not only reduces the number of tie wires and simplifies the structure, but also facilitates easy management and maintenance

Fiber Converter

Fiber Converters convert Ethernet signals from twisted pair cable to fiber optic cable and vice versa, providing seamless connection between two different media. By connecting a 10Base-T, 100Base-TX, 1000Base-T twisted pair devices to a 100 Base-FX compliant ST, SC port, 1000Base-SX, 1000Base-LX this converter can greatly increase the flexibility of Ethernet cabling connectivity.

1.1. Features

The Media Converter Chassis is a combination of 14-slot host cabinet and optional several of media converter bracket modules. A maximum 14-bracket module can be installed in the cabinet with two redundant power supplies. The Power supply supports AC input type and redundant feature.

- Standard 19-inch rack-mountable design
- Chassis with 14 Slots for media converter
- Redundant power for Chassis

1.2. Package Contents

- CVH-2000
- Power Cord
- Module Brackets x 14 Set
- Quick Installation Guide

Package Contents

Compare the contents of your Media Converter Chassis package with the standard check list 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 product for repair.

2. Hardware Description

The Media Converter Chassis is a modular unit, and its chassis contains 14 slots for optional modular converters. The Physical Dimensions of The Media Converter Chassis are 428mm x 230mm x 90 mm.

The Media Converter Chassis

Real Panel

The 3-pronged power plug; On/Off switch and ventilation fan are located at the Rear Panel of the Media Converter Chassis. The Chassis will work with AC in the range AC 100~265 VAC, 50/60 HZ.

The Rear Panel

3. Rack Mount Installation

Hardware Installation

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

3.1. Desktop Application

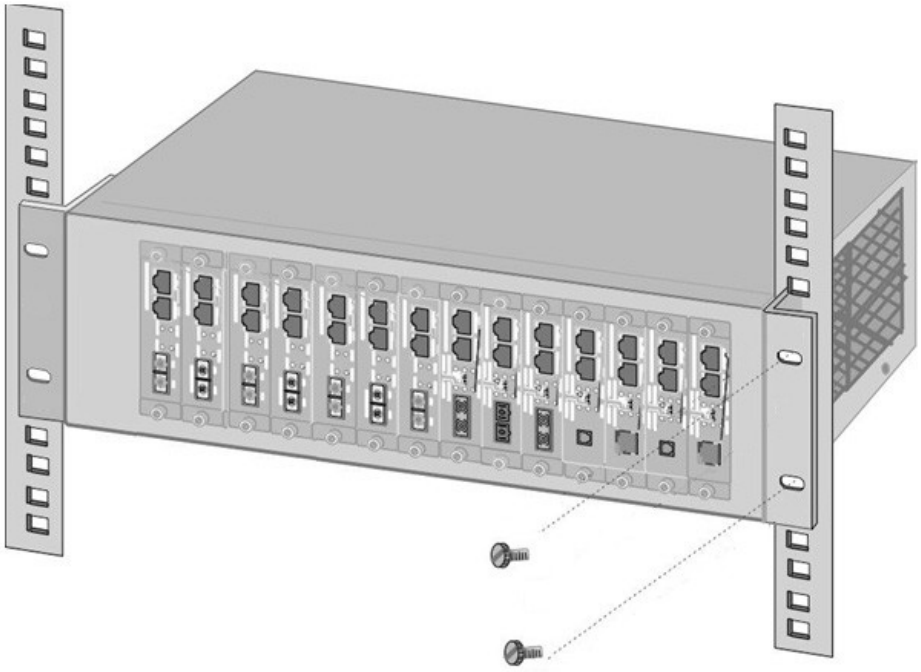
1. Set The Media Converter Chassis on a sufficiently large flat space with a power outlet nearby.
2. Connect the power cord. The power supply is self-adjusting for AC input power between 100 and 265 Volts.

Note

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

3.2. Rack Mounting

Mount the device in the rack, using four rack-mounting screws (not provided).



Rack Mounting the Chassis

Note

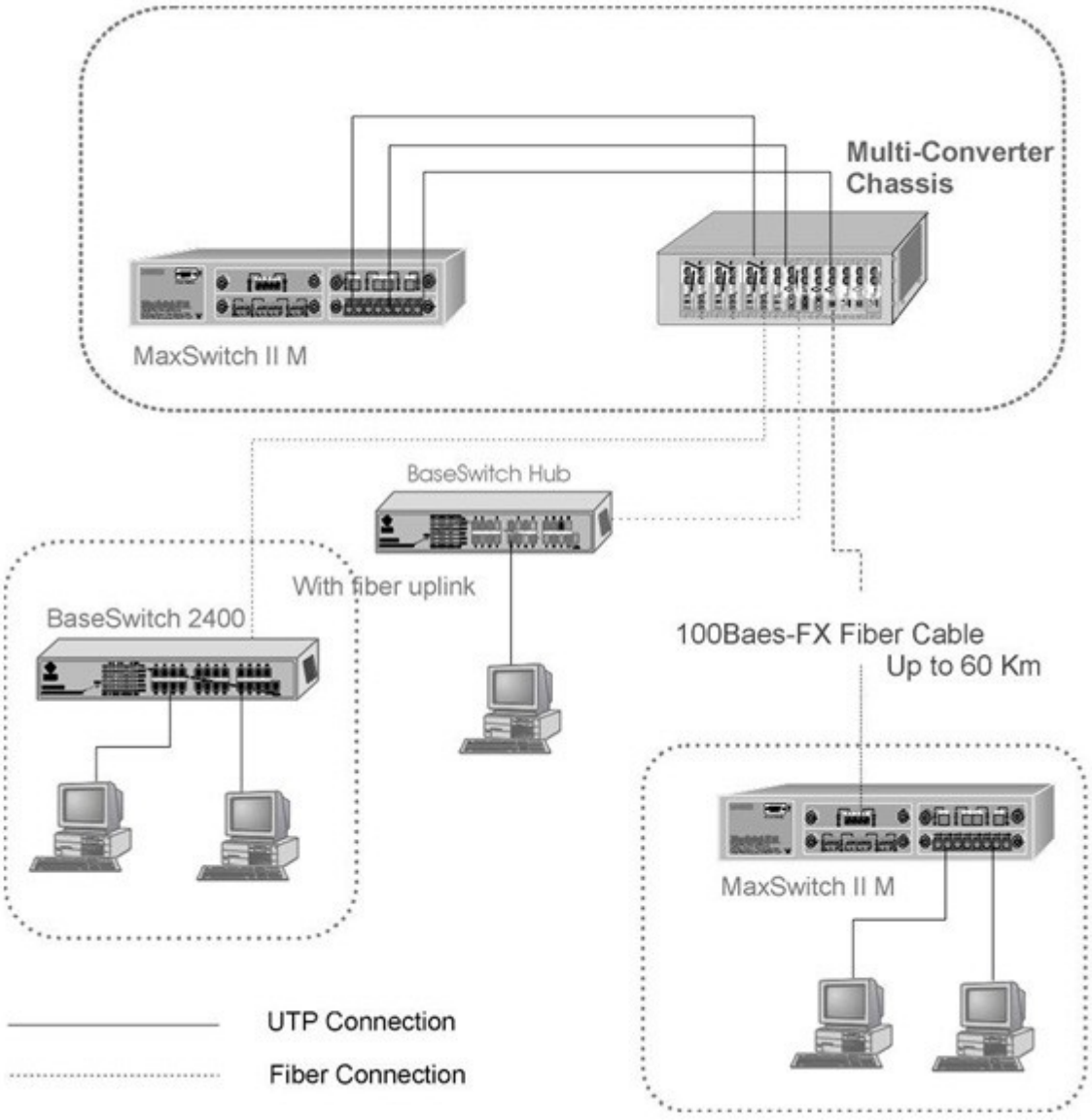
For proper ventilation, allow about 6 inches of clearance on all sides of the Chassis. This is especially important for enclosed rack installations.

4. Connecting Your Network

This chapter provides one sample of network connectivity in which the Media Converter Chassis.

4.1. Network Connectivity

In the following network connectivity example, Switches, hubs, and PCs have been interconnected with the Media Converter Chassis.



Application Example

In the network connectivity, we divided the connectivity into three groups. The top group may be in MIS department, and the below left one, for instance, can be R&D department. The below right group, for instance, can be QA department.

5. Specification

Model No.	CVH-2000 14-Slot Media Converter Chassis
Support modules	**100M:** FVT-2001 10/100BASE-TX to 100BASE-FX MMF SC Converter, 2km FVT-2002 10/100BASE-TX to 100BASE-FX MMF ST Converter, 2km FVT-2201 10/100BASE-TX to 100BASE-FX SMF SC Converter, 20km FVT-2401 10/100BASE-TX to 100BASE-FX SMF SC Converter, 40km **1000M:** GVT-2000 10/100/1000BASE-T to 1000BASE-X SFP Converter GVT-2001 10/100/1000BASE-T to 1000BASE-SX MMF SC Converter, 550m **SFP:** (Optional for GVT-2000) GVT-0300 1.25G MMF SFP Transceiver, 550 m, 850nm GVT-0301 1.25G SMF SFP Transceiver, 10 km, 1310nm GVT-0302 1.25G SMF SFP Transceiver, 80 km, 1550nm
Power Supply	60W x 2 Redundant Power
Operation Humidity	20% to 80% (Non-condensing)
Operation Temperature	-10~55ºC
Weight	4.5Kg
Power	AC 100~265 VAC, 50/60 HZ; output: DC 5V/12A
Dimension	428mm x 230mm x 90 mm (2U, 19”)
EMI & safety	CE, FCC Class A