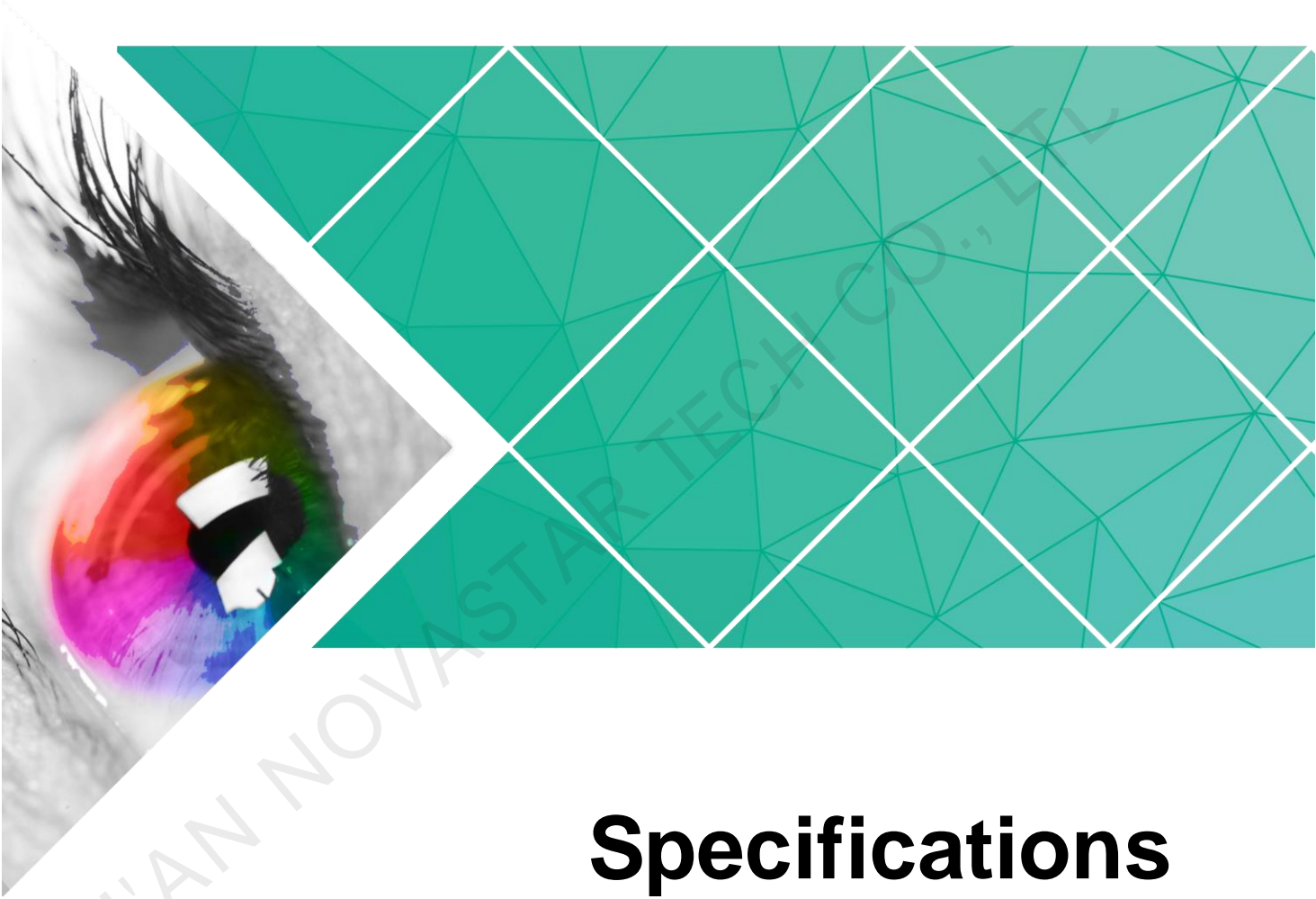


CVT-Rack310

Fiber Converter



Specifications

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Change History

Version	Release Date	Description
V1.1.0	2018-03-15	<ul style="list-style-type: none">• Added optical module features.• Added certification information.• Added packaging information.

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1 Safety

This chapter illustrates safety of the CVT-Rack310 fiber converter to ensure the product's storage, transport, installation and use safety.

Safety instructions are applicable to all personnel who contact or use the product. First of all, pay attention to following points.

- Read through the instructions.
- Retain all instructions.
- Comply with all instructions.

1.1 Storage and Transport Safety

- Pay attention to dust and water prevention.
- Avoid long-term direct sunlight.
- Do not place the product at a position near fire and heat.
- Do not place the product in an area containing explosive materials.
- Do not place the product in a strong electromagnetic environment.
- Place the product at a stable position to prevent damage or personal injury caused by dropping.
- Save the packing box and materials which will come in handy if you ever have to store and ship the product. For maximum protection during storage and shipping, repack the product as it was originally packed at the factory.

1.2 Installation and Use Safety

- Only trained professionals may install the product.
- Plugging and unplugging operations are prohibited when the power is on.
- Ensure safe grounding of the product.
- Beware of electric shock hazards.
- Always wear a wrist band and insulating gloves.
- Do not place the product in an area having frequent or strong shake.
- Perform dust removing regularly.
- Contact NovaStar for maintenance at any time, rather than have the product disassembled and maintained by non-professionals without authorization.
- Replace faulty parts only with the spare parts supplied by NovaStar.

2 Overview

CVT-Rack310 is a multi-channel fiber converter developed by NovaStar. It has 4-channel, 8-channel, 12-channel, and 16-channel models to fulfill conversion between optical signals and electrical signals.

The CVT-Rack310 supports multiple-mode twin-core optical fiber and LC fiber connectors.

The CVT-Rack310 converter is highly flexible in configuration by providing different numbers of channels for users to choose according to their own requirements. This document takes 16-channel CVT-Rack310 as an example to illustrate.

3 Features

- Features 16 × RJ45 Ethernet ports and 16 × optical fiber connectors.
- Features AC 100-240V 50/60Hz power supply.
- Applies multiple-mode twin-core optical fiber and LC fiber connectors, with a transmission distance of 300 m.

4 Appearance

Front Panel



No.	Name	Description
①	Switch	ON/OFF
②	AC power input	AC 100-240V, 50/60Hz

Rear Panel

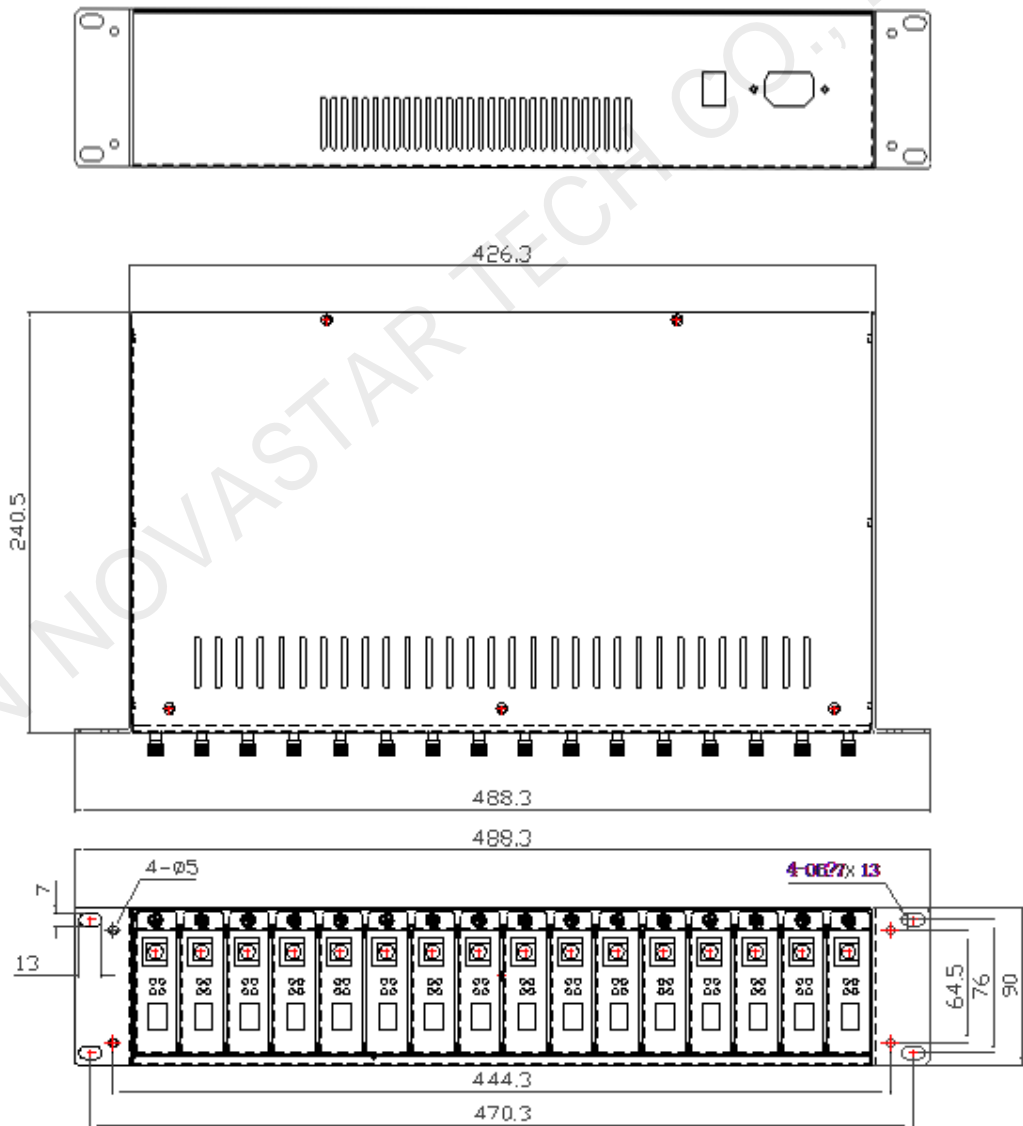


No.	Name	Description
③	Ethernet	16 Gigabit Ethernet ports
④	Indicators	<ul style="list-style-type: none"> POWER: Power indicator. FX/ACT: Optical fiber indicator. When two CVT-Rack 310 are cascaded, the FX/ACT indicators on both sets are on to denote the optical fiber communications between them are good; Both or one of the indicators are off to denote the optical fiber communications between them are abnormal.

		<ul style="list-style-type: none"> • TP/ACT: The TP/ACT indicator is always on to indicate the Ethernet communications from the sending card to the CVT-Rack310 or from the CVT-Rack310 to the receiving card is normal. Otherwise the indicator is off. • DATA: The DATA indicator near the receiving card flashes quickly only when both FX/ACT and TP/ACT indicators are always on. Otherwise the DATA indicator is off.
⑤	Optical fiber connectors	<p>16 x multiple-mode twin-core optical fiber and LC fiber connectors, with optical module installed at the factory.</p> <p>Features of optical module:</p> <ul style="list-style-type: none"> • Transmission rate: 1.25 Gb/s • Hot plugging • Wave length: 850 nm • Transmission distance: 300 m

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5 Dimensions



Unit: mm

6 Specifications

Input Voltage	AC 100-240 V, 50/60 Hz
Rated Current	0.7 A
Rated Power Consumption	3.5 W
Operating Temperature	-20°C–70°C
Storage Temperature	-30°C–80°C
Operating Humidity	10% RH–90% RH
Dimensions	488.3 mm × 240.5 mm × 90.0 mm
Weight	7.1 kg
Certifications	<ul style="list-style-type: none">• CE• FCC• IC
Packing	Suitcase: 530 mm × 140 mm × 370 mm, Kraft cardboard box printed with NOVASTAR . Accessory box: 350 mm × 145 mm × 70 mm, Kraft cardboard box Carton: 550 mm × 400 mm × 175 mm, Kraft cardboard box printed with NOVASTAR .