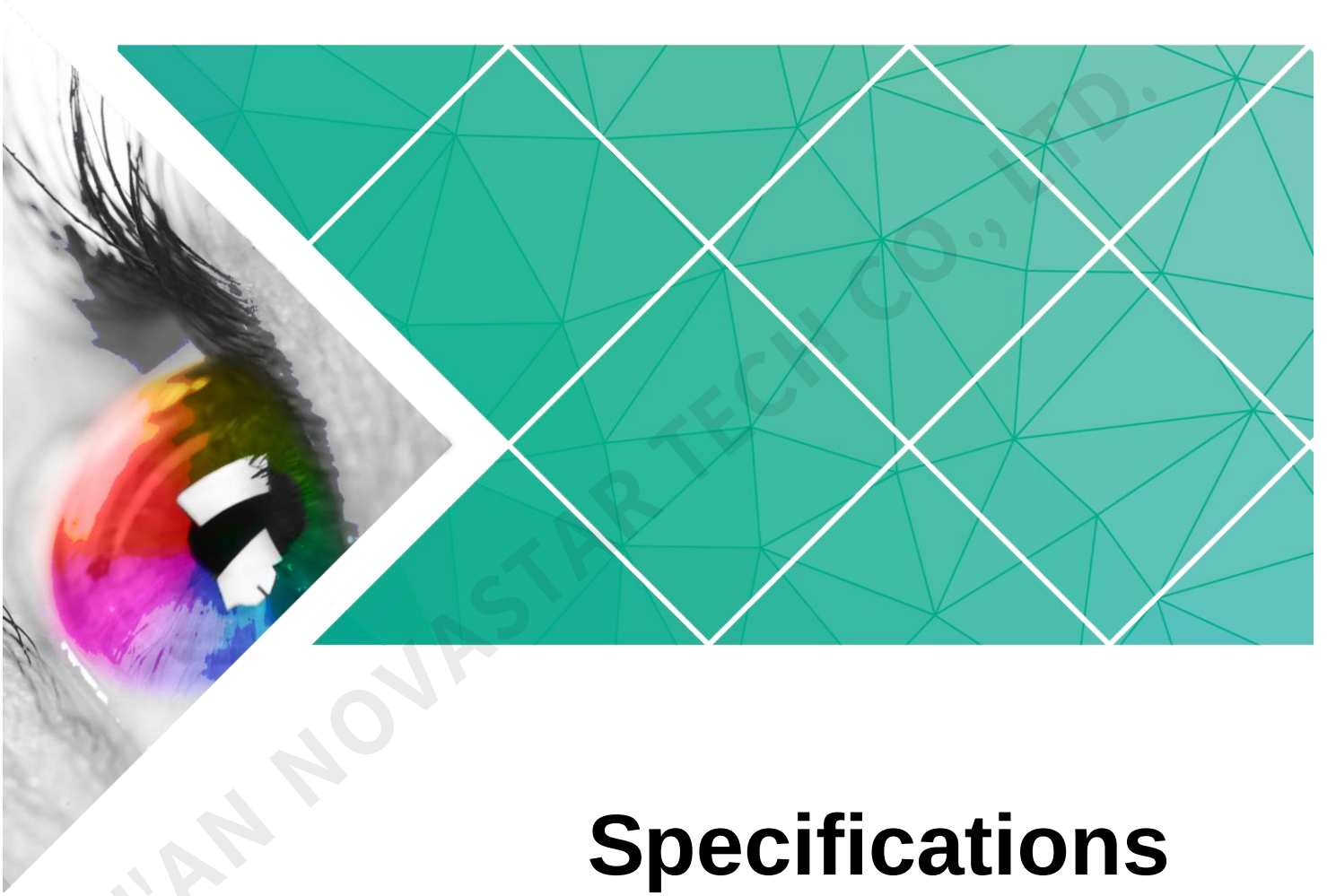
CVT320

Fiber Converter



Specifications

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Change History

Version	Release Date	Description
V2.3.0	2018-03-15	• Added optical module features. • Added certification information. • Added packaging information.

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Contents

Change History ii
Contents 3
1 Safety 1
1.1 Storage and Transport Safety 1
1.2 Installation and Use Safety 1
2 Overview 2
3 Features 3
4 Appearance 4
5 Dimensions 6
6 Specifications 7

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1 Safety

This chapter illustrates safety of the fiber converter CVT320 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.

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2 Overview

The CVT320 is a fiber converter developed by NovaStar. It is used for conversion between optical signals and electrical signals.

The CVT320 features 1 Ethernet port, and1 single-mode twin-core LC fiber connector.

The CVT320 is ready to use once it is connected, with no drivers required.

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3 Features

- Features 1 × Ethernet port, 1 × fiber connector.
- Features AC 100–240 V 50/60 Hz power supply.
- Supports single-mode twin-core LC fiber connector, with a transmission distance of 15 km.

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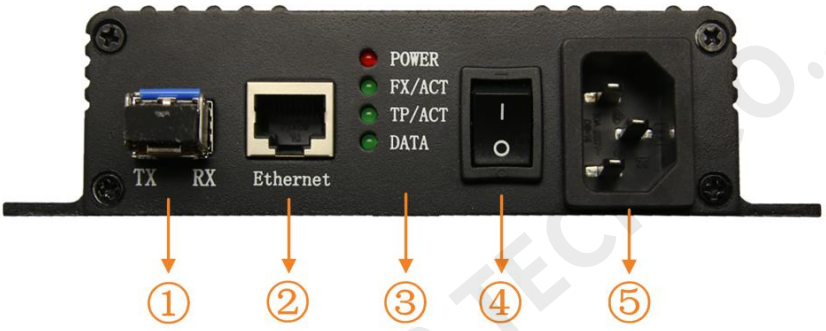
4 Appearance



No.	Name	Description
①	Optical module	Single-mode twin-core LC fiber connector, with optical module installed at the factory. Features of optical module: • Transmission rate: 1.25 Gb/s • Hot plugging • Wave length: 1310 nm • Transmission distance: 15 km
②	Ethernet	Gigabit Ethernet port
③	Indicators	• POWER: Power indicator • FX/ACT: Optical fiber indicator. When two CVT320 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. • TP/ACT: The TP/ACT indicator is always on to indicate the Ethernet communications from the sending card to the CVT320 or from the CVT320 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

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		are always on. Otherwise the DATA indicator is off.
④	Switch	ON/OFF
⑤	AC power input	AC 100–240 V 50/60Hz

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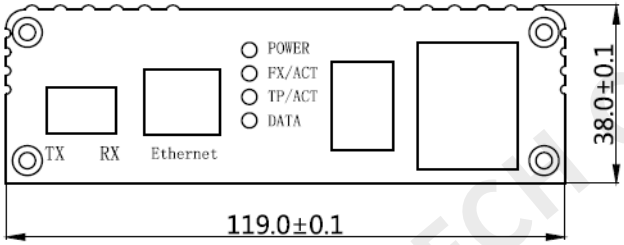
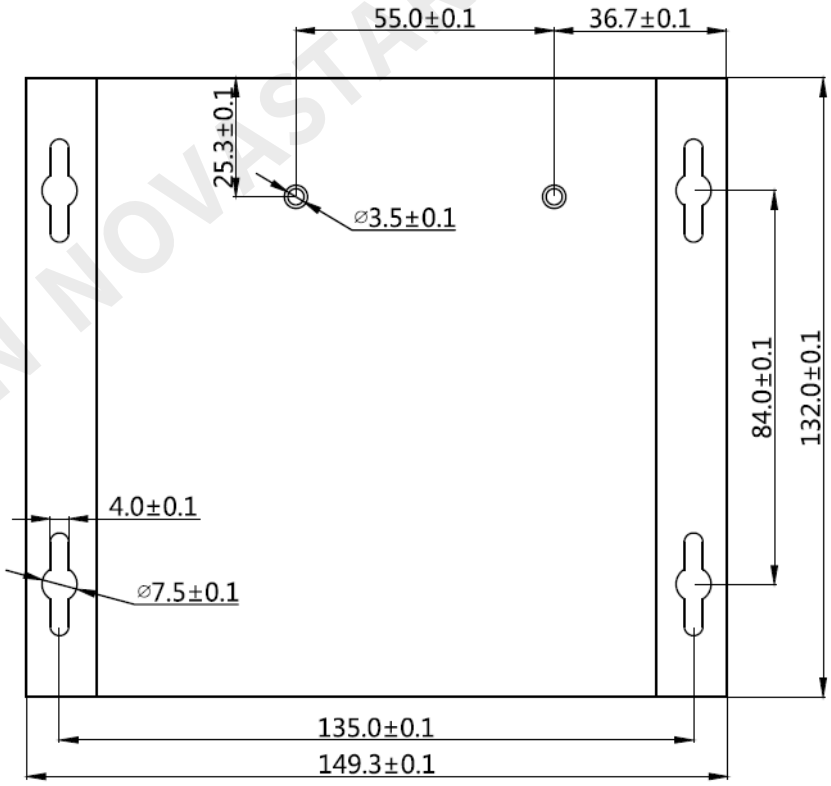
5 Dimensions





Unit: mm

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6 Specifications

Input Voltage	AC 100–240 V 50/60Hz
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	149.3 mm × 132.0 mm × 38.0 mm
Weight	0.53 kg
Certifications	• CE • RoHS • FCC • IC • EAC
Packing	Suitcase: 335 mm × 190 mm × 62 mm, Kraft cardboard box printed with **NOVASTAR**. Foam: (Top) 330 mm × 180 mm × 5 mm, (Bottom) 330 mm × 180 mm × 53 mm Carton: 400 mm × 365 mm × 355 mm, Kraft cardboard box printed with **NOVASTAR**.

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