# Colorlight



# H10Fix

Fiber Optic Transceiver

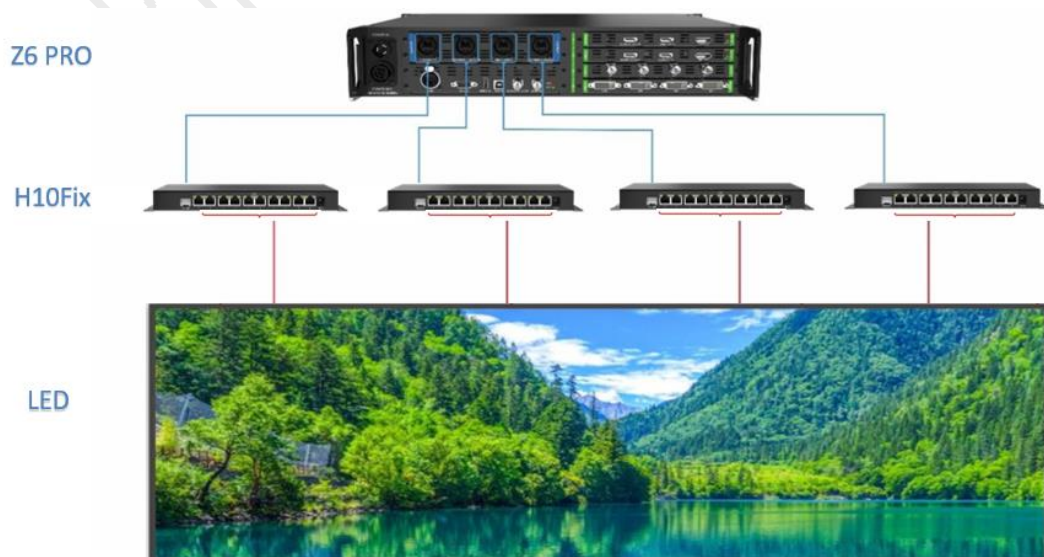## Specification V1.2

Colorlight Cloud Tech Ltd

## Overview

H10Fix is a new generation of fiber converter that is designed for small pitch LED display. As it has small size and light weight, the H10Fix can be easily installed inside or on the back of the LED tiles. All interfaces are located on the same side of box, which is convenient for users to connect cables.

H10Fix has the advantages of long transmission distance, high working stability, supporting photoelectric bidirectional conversion. It can be widely used in television, data center, monitoring center and other fields.
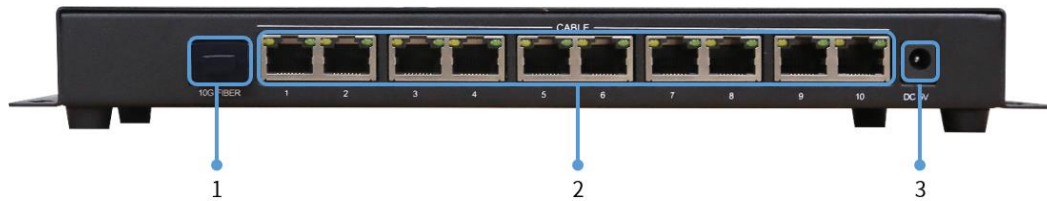
## Features

- One optical fiber port, with a transmission rate of 10Gb/s

- 10 RJ45 Gigabit Ethernet ports, with a transmission rate of 1Gb/s per port

- Equipped with SFP module of 2 km transmission distance

- High synchronization and stability for LED display

- Adaptive bidirectional conversion between optical signals and electrical signals

- Hot-pluggable

- Single mode twin-core fiber (TCF)

## Application

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## Hardware



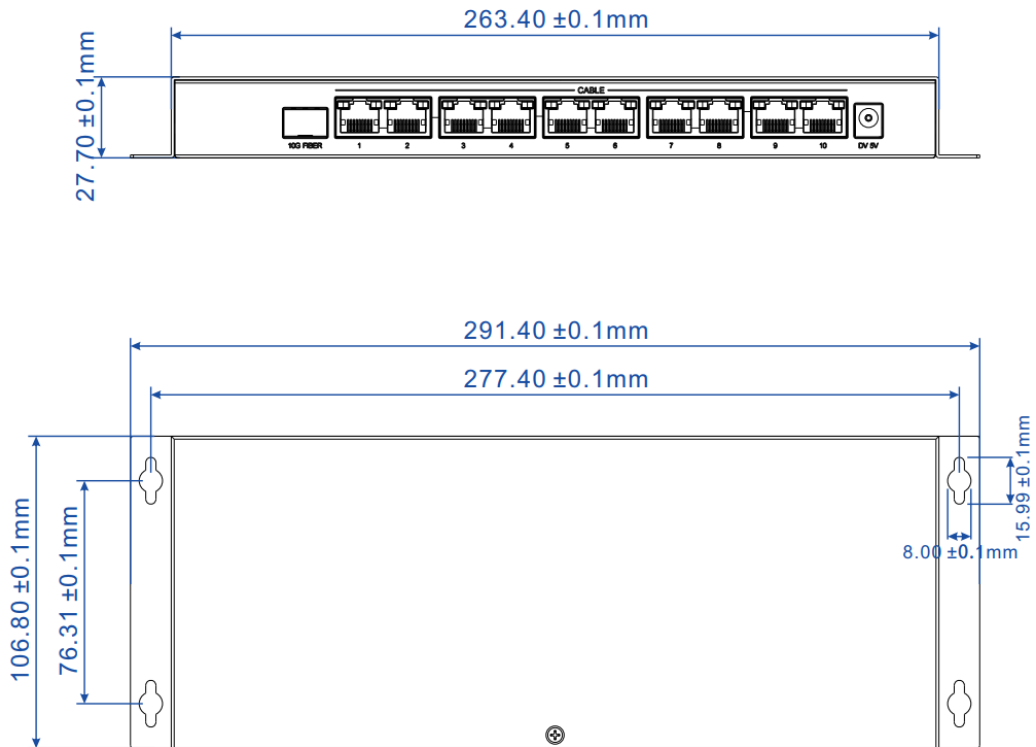| No. | Parts | Function |
| --- | --- | --- |
| 1 | 10G FIBER | 1×fiber port, for data transmission, with a transmission rate of up to 10 Gb/s |
| 2 | CABLE1~10 | 10 RJ45 Ethernet ports, for data transmission |
| 3 | DC 5V | Power port |

Noted: single mode fiber optic cable with PC or UPC plug is recommended, with wire diameter of 9/125 µm.

## Specifications

| Model | | H10Fix |
| --- | --- | --- |
| SFP module | Rate | 10Gb/s |
| | Specification | LC-LC interface, wavelength 1310nm, transmission distance 2km |
| Electrical specification | Power supply | Power adapter AC100~240V, 50/60Hz |
| | Power consumption | 20W |
| Operating environment | Temperature | -20℃~70℃/-4°F~158°F |
| | Humidity | 0%RH~80%RH，non-condensing |
| Storage environment | Temperature | -25℃~80℃/-13°F~176°F |
| | Humidity | 0%RH~90%RH，non-condensing |
| Device specification | Dimensions | 263.4mm×106.8mm×27.7mm/10.4'×4.2'×1.1' |
| | Net Weight | 0.5kg/1.1lbs |

## Dimensions

Unit：mm



## Statement

Thank you for purchasing the product of Colorlight Cloud Tech Ltd. If you encounter any problems during use or have any suggestions, please contact us through official channels. We will do our best to provide support and listen to your valuable suggestions. We will constantly make improvements on technical specifications but without notice. You can visit www.colorlightinside.com to get more updated information.