

# H10Fix-5G

## Fiber Optical Transceiver

Specification V1.1



## Release

Version	Date	Notes
V1.0	2022/5/13	First, publish

## Overview

H10Fix-5G is a new generation of fiber optical transceiver that is designed for small pitch LED display. As it has small size and light weight, the H10Fix-5G 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-5G single network port load capacity is 5 times that of conventional systems, it needs to be used with 5G receiving card.

H10Fix-5G 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 10Gbps
- Four RJ45 Ethernet ports, with a transmission rate of 5Gbps per port
- Equipped with 10G SFP module of 2 km transmission distance
- High synchronization and stability for LED display
- Hot-pluggable
- Support firmware upgrade

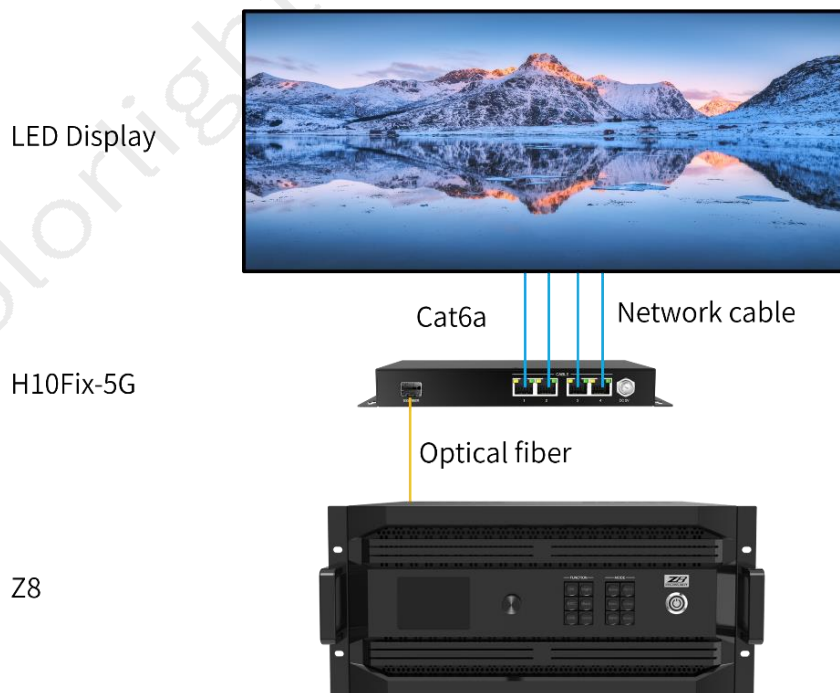
## Hardware



No	Parts	Function
1	10G FIBER	One fiber port, for data transmission <ul style="list-style-type: none"> <li>Standard 10G SFP module, LC-LC interface, transmission distance 2km</li> <li>Requires 1310nm, 9/125μm single-mode fiber (up to 2km) with PC or UPC connectors</li> </ul>
2	CABLE 1~4	Four RJ45 Ethernet ports, for data transmission <ul style="list-style-type: none"> <li>Four ports share 10Gbps bandwidth, the total load is up to 6.5 million pixels at 8bit, 60Hz (The actual load depends on controller)</li> <li>The transmission rate is 5Gbps per port, each port is capable of 3.25 million pixels at 8bit, 60Hz (The actual load depends on controller)</li> <li>Requires Cat6a cable, up to 60m, or Cat7 cable, up to 100m</li> </ul>
3	DC 5V	Power port, locking connector, equipped with power adapter

Note: SFP module is not installed in the figure, please refer to the real object.

## Application

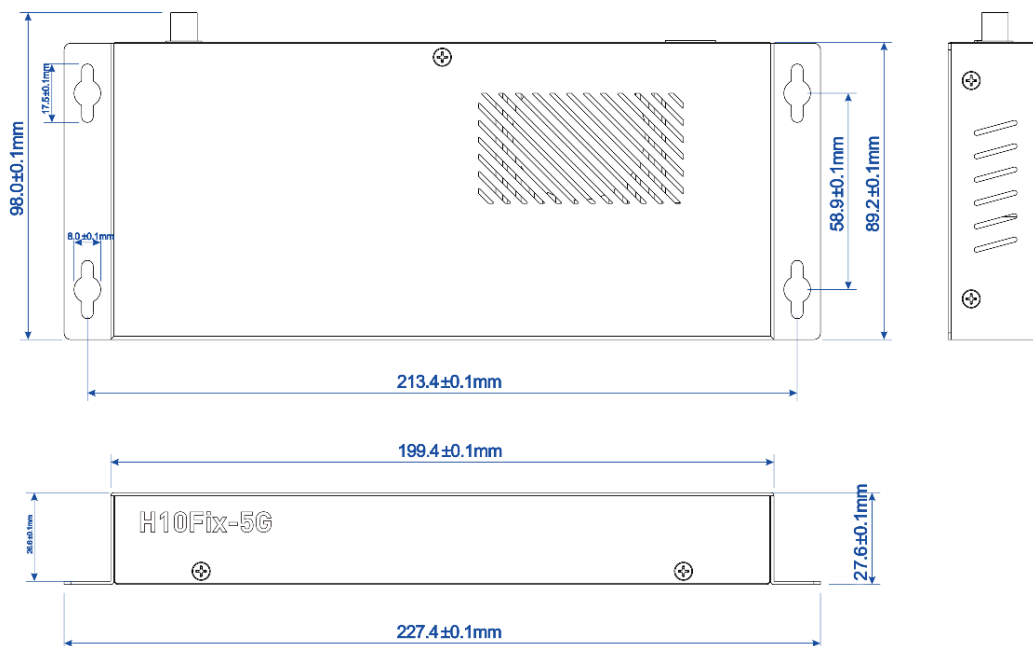


## Specifications

<b>Physical</b>	
Unboxed (W×H×L)	227.4mm (8.9") × 27.6mm (1") × 89.2mm (3.5")
Boxed (W×H×L)	370.0mm (14.6") × 52.0mm (2") × 320.0mm (12.6")
Net weight	0.6kg (1.3lbs)
Noise level	≤30dB at 100cm, ≤34dB at 50cm
<b>Electrical</b>	
Power supply	Power adapter, input: AC100-240V, 50/60Hz, output: DC 5V
Rated power	15W
<b>Operating environment</b>	
Temperature	-20°C~70°C (-4°F~158°F)
Humidity	10%RH-80%RH, non-condensing
<b>Storage environment</b>	
Temperature	-25°C~80°C (-13°F~176°F)
Humidity	10%RH-90%RH, non-condensing
<b>Package</b>	
1×Device, 1×Power adapter, 1×10G SFP Module, 1×Certificate of Qualification, 1×Warranty Card, 1×Packing list	

## 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](http://www.colorlightinside.com) to get more updated information.

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