H2F

Fiber Optic Transceiver

Specification

Overview

H2F is a new generation of fiber converter that is designed for small pitch LED display.

- It has small size and light weight, can be easily installed inside or on the back of the LED tiles.
- All interfaces are located on the one side of box, which is convenient for users to connect cables.
- It has the advantages of long transmission distance, high working stability, supporting photoelectric bidirectional conversion, and can be widely used in television, data center, monitoring center and other fields.

Features

- 1x 2.5G optical fiber port, with a transmission rate of up to 2.5Gb/s.
- Single mode twin-core fiber.
- Multi-source package with duplex LC connector.
- Equipped with 2.5G single mode optical module of 2km transmission distance.
- Hot-pluggable.
- High synchronization and stability for LED display.
- Distributed-feedback laser (DFB-LD).
- Eye safety designed to meet laser class 1.

Specification

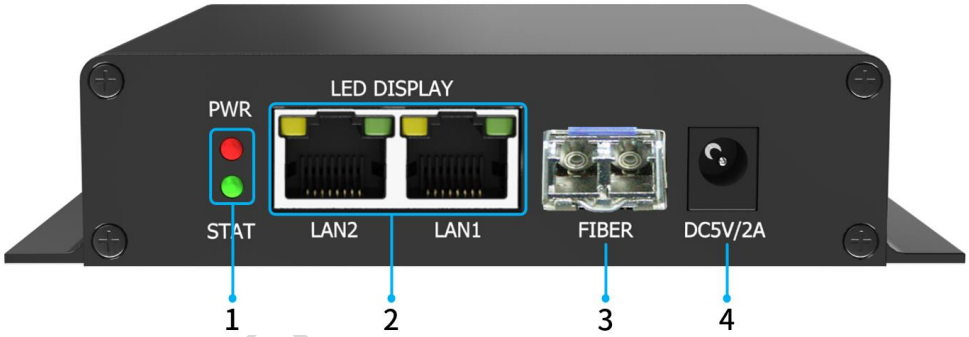
Storage Temperature	-40°C~85°C / -40°F~185°F
Operating Temperature	0°C~70°C / 32°F~158°F
Power supply	DC 5V / 2A
Data Rate	2.5Gb/s
Working Mode	Single-mode
Transmission Distance	2km
Fiber Interface Type	Duplex LC

Laser	DFB
Gigabit Ethernet Port	2x RJ45, LAN1 and LAN2
Fiber Interface	1 port, 2.5G bandwidth

Hardware

Front panel

Rear panel

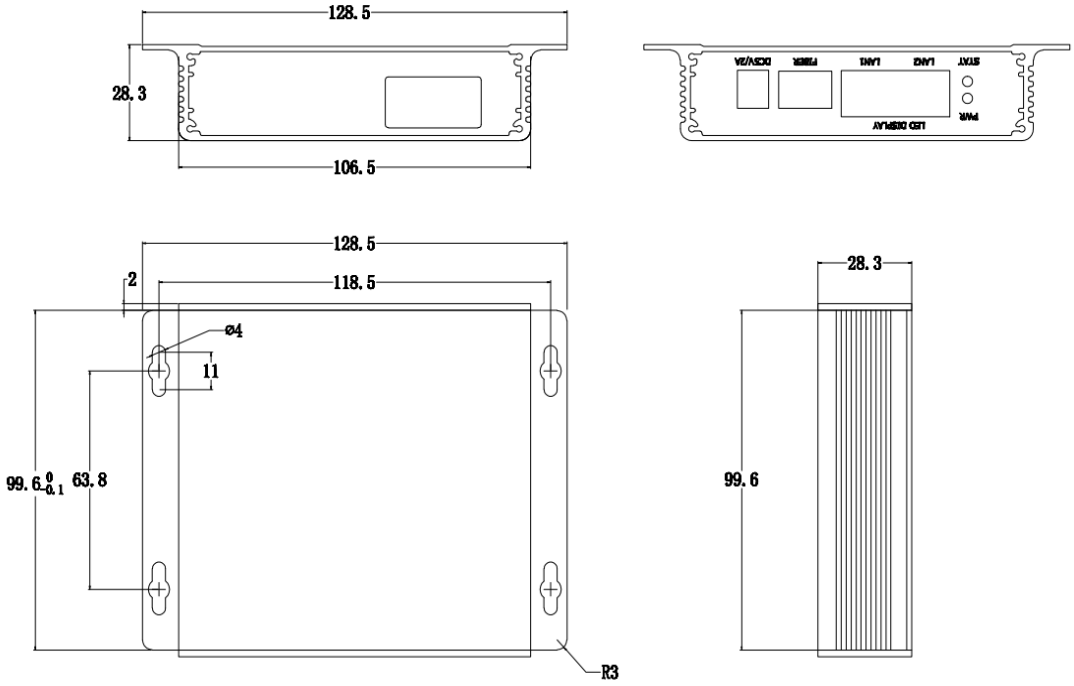


NO.	Parts	Description
1	PWR	PWR: Power indicator. - Steady red: Power supply normal.
	STAT	STAT: Signal transmission status indicator. - Blinking green: Signal input normal.
2	LAN1, LAN2	2x RJ45 Ethernet ports, for data transmission. - Blinking yellow: Signal input normal. - Steady green: Power supply normal.
3	FIBER	One optical fiber port, with a transmission rate of 2.5Gb/s, supporting photoelectric bidirectional conversion. - Equipped with 2.5G single-mode optical module of 2km transmission distance.
4	DC5V / 2A	DC 5V/2A

* The configuration in the figure is for reference only.

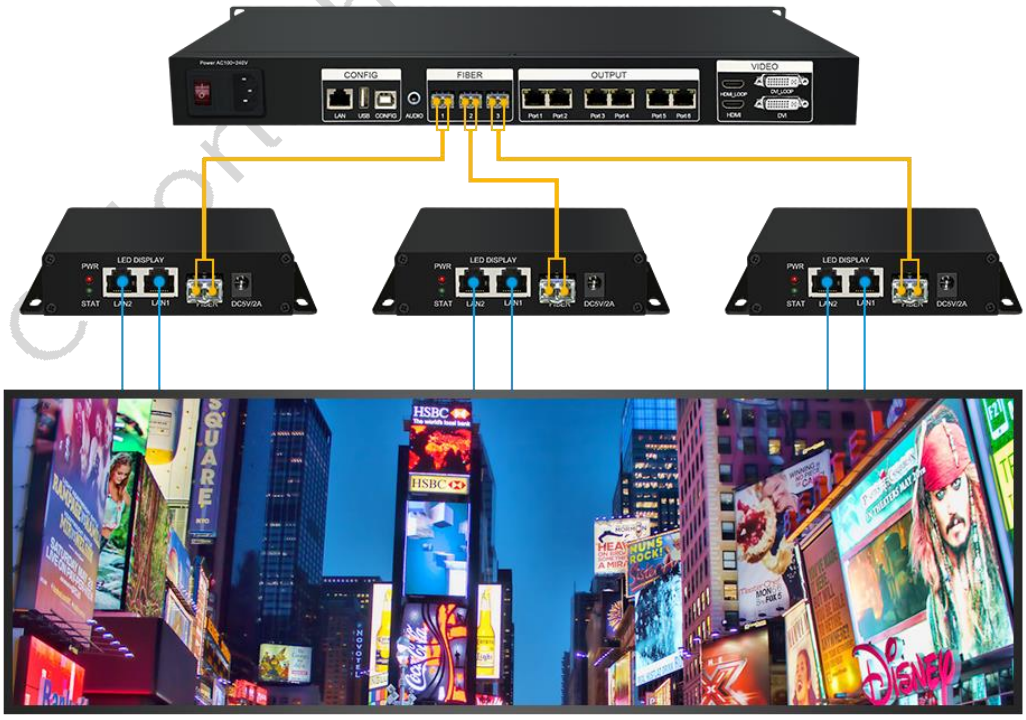
Reference dimensions

Unit：mm



Application

Fiber port to ethernet port diagram



Ethernet port to fiber port diagram

Statement

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