Colorlight

iM9 Multifunction Box

Specification

iM9 Multifunction Box

Overview

iM9 multifunction box is an important accessories of the Colorlight control system for environmental monitoring and remote control.

It can be used to monitor the operating environment of the LED displays, such as temperature, humidity, smoke, etc., to ensure the safety of the display.

It can detect the environmental brightness and adjust the brightness of the display automatically in order to make sure the display work in the most suitable brightness.
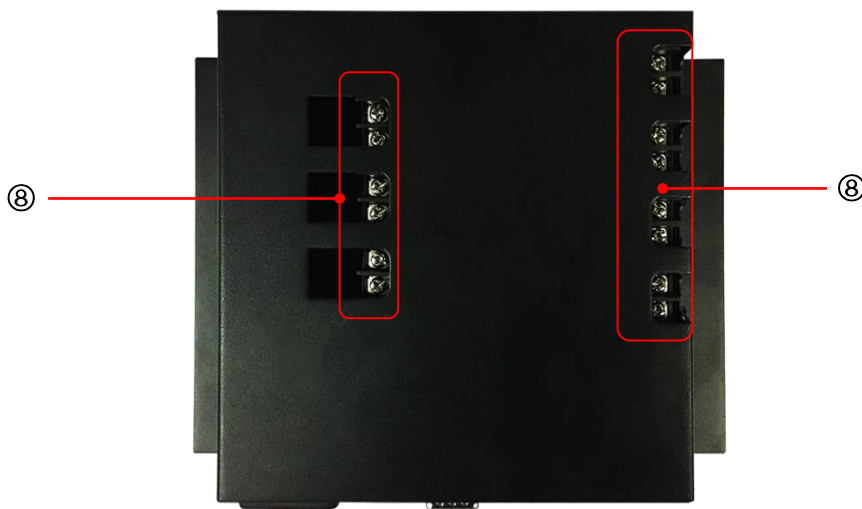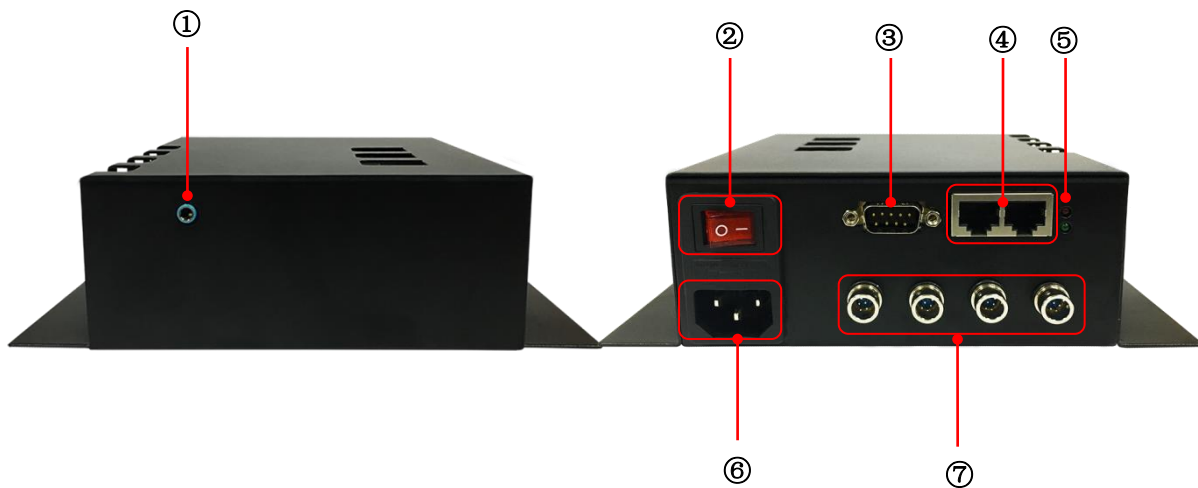
It contains 7 Relays Switches that can be used to control the power supply remotely. Benefit from iM9 multifunction box, you can turn on or off the power supply of the equipment such as display, air conditioning, fans, and power distribution cabinets by the software on the computer, instead of going to the front of the equipment.

Specifications

System Compatibility	
Sending device	Gigabit NIC, all series of Colorlight sending devices
Receiving device	All series of Colorlight receiving cards
Transmission equipment	Gigabit switch, fiber transceiver
Physical/Electrical	
Size	198.5×147.2×56.2 mm
Power input	AC 100~240V
Power consumption	4.65W
Weight	1.5kg
Remote Control	
Remote power management	4 switches for LED display 2 switches for air conditioning and fans (can be automatically controlled by the temperature sensor) 1 switches for others
Brightness adjustment	Automatically adjust brightness of the LED display according to environment

Environment monitoring

Temperature	Support
Humidity	Support (Optional)
Smoke	Support (Optional)

Others

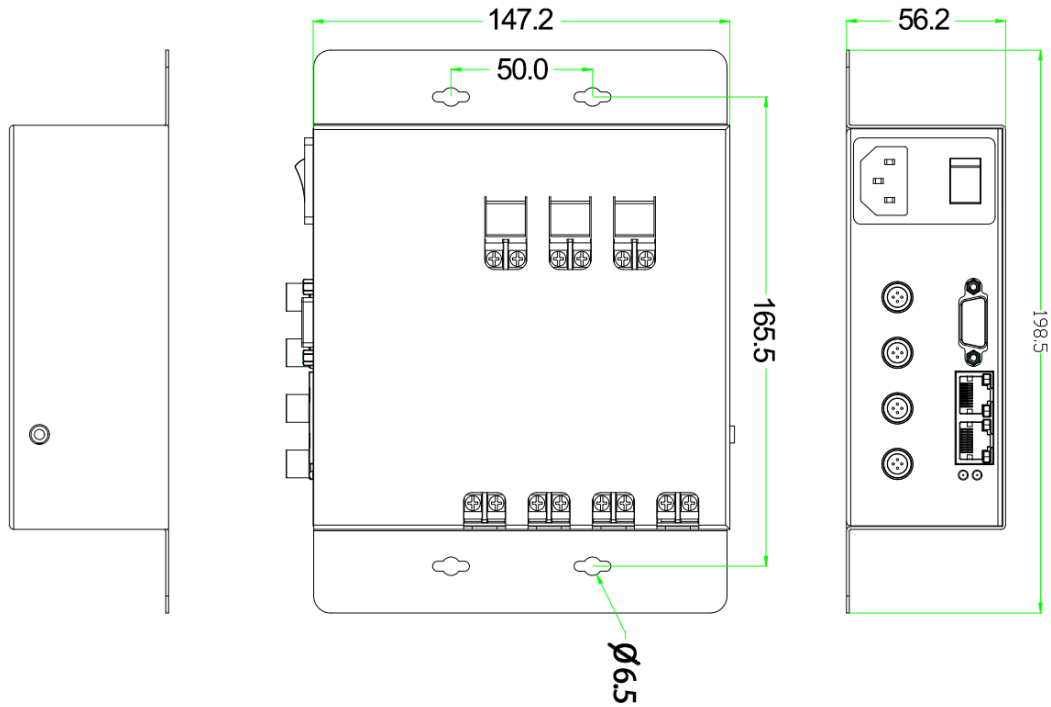| Audio transmission	Support (Optional, need the specific sending device)
Automatic power off with no signal	After the transmitter signal is disconnected, the display will automatically power off. The display will automatically power on when the signal is restored.

Hardware

1, Interface Descriptions

No.	Name	Function	Remarks
1	Audio output	Transmit audio signal to LED displays through the network cable in conjunction with the sending card	(Custom-made needed) If you really need to use them, please consult with our technicians.
2	Power switch	Power switching for equipment	
3	RS232	For equipment commissioning	
4	Ethernet port	Connected to sending device or receiving card	The Ethernet port A and B can achieve import/export at random, which can be identified in an intelligent way
5	Indicator light	Indicates power and signal transmission status	
6	Power interface	AC 100~240V	
7	Extended monitoring interfaces	Can be used to monitor the brightness, humidity, smoke, etc.	(Custom-made needed) If you really need to use them, please consult with our technicians.
8	Switches for power control	Used for remote power control, power-on or off delay. J9-J12, can be turned on or off automatically linkage delay, to reduce the impact of the grid. J13-J15, can be individually controlled by different sensor for voltage, humidity, smoke, temperature, and the others needed.	(Attention the maximum current limit)

2, Dimension

3, Connection Diagram