D6603 D6603T

IR Control Module / IR Control Terminal

D6603 IR Control Module

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Description

The IR Control Module / IR Control Terminal features an Ethernet-based architecture, with each infrared output interface connecting a paired emitter wire. Designed for central control systems, it allows direct IR control for devices located near the central unit via the module, while the terminal extends control for devices installed at longer distances, ensuring reliable long-range IR operation and flexible automation setup.

Features

- Ethernet online architecture system.
- Each infrared output interface is connected to a paired emitter wire.
- The infrared receiving device can be installed close to the central control host, you can use the infrared control board. If the infrared receiving device is installed far away from the central control host, you need to use the infrared control terminal to extend the control distance.

Specifications

Model	D6603	D6603T
Interface Type	Phoenix terminal 3.81-8P*2	
Number of Control Channels	8 channels	
Radiation Intensity	40 mW/sr	
IR Emission Current	IF=20mA	
Board Power Consumption	2W	
Operating Temperature	-20-60℃	
Power Supply	Host DC12V	PoE+48V or DC12V/1A adapter
Package Dimensions (L×W×H mm)	207×142×48mm	249×187×85mm
Machine Dimensions (L×W×H mm)	120×85×23mm	187×147×42mm
Gross Weight	0.2kg	1.5kg
Net Weight	0.05kg	0.5kg

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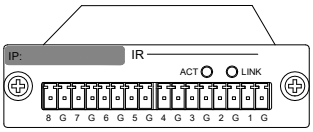
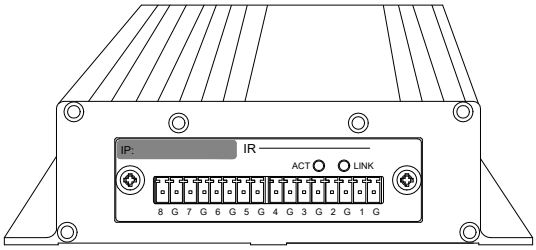
Front Panel

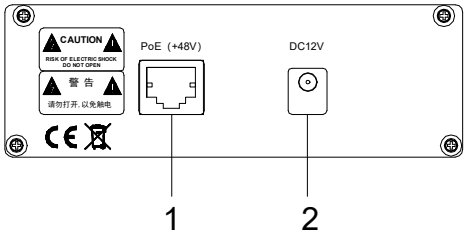


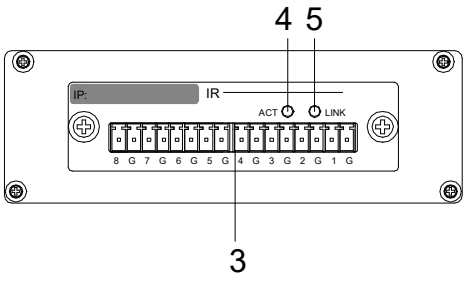
D6603 IR Control Module



D6603T IR Control Terminal

Rear Panel





1. 100M PoE+48V-Powered RJ45 Network Interface

- Port transfer rate: 100Mbps.
- Support 100M +48V-powered network port of the central control system host.
- Support connection to standard PoE switches.

2. 12V/1A DC Power Connector (DC12V-powered or PoE+48V-powered)

3. 8-Channel IR Control Interfaces

A. Simultaneously control 8 devices with infrared function. Any one of the infrared emission module needs to be connected to the paired emitter wire for intelligent control of the infrared device through infrared learning programming.

B. Each interface uses a paired wire: Ir(x), G. Ir(x) is connected to the positive electrode of the paired emitter wire and G is connected to the negative electrode of the paired emitter wire.

C. Each paired emitter wire can be used to extend the infrared emission distance by 50 to 80 meters with a network CAT5 shielded or two-core shielded twisted pair cable. **Note: The infrared emission extension cable must use high-quality shielded copper wire to improve anti-interference ability and reduce signal attenuation for a more stable control.**

4. ACT Indicator (flashing green indicates normal data transmission)

5. LINK Indicator (normally yellow indicates normal network operation)