

MF630

Multi-function card

Version: v2.2

Release Date: October 2021



Specification



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Professional Ultra HD Video Display
Control system integrated solution and service provider

Version record

version number	Change details	release time
V1.0	first release	2018.06.28
V2.0	Change hardware version	2018.12.12
V2.1	Change device picture and HUB screen printing	2019.09.09
V2.2	Change cover	2021.10.25

1 Product overview

1.1 Product application

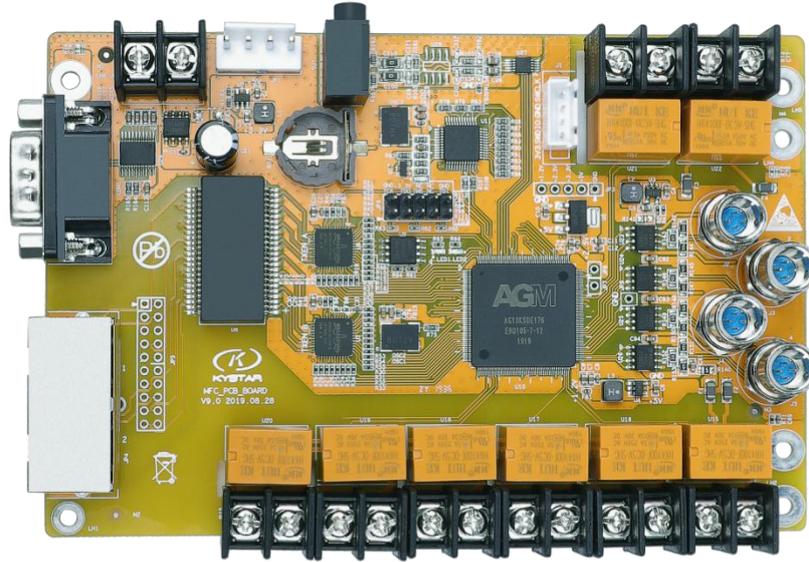
MF630 multi-function card is used for LED environmental monitoring and related control. It can monitor the environmental temperature in real time and ensure the environment of display screen.

It can monitor the brightness of the environment, automatically adjust the brightness of the display screen according to the brightness value of the environment and the brightness adjustment algorithm previously set, so as to achieve the purpose of energy conservation and environmental protection, and ensure the best viewing effect of the display screen; it can realize the remote switch management of field equipment such as fans, air conditioners, distribution cabinets, etc. through multiple control relays.

1.2 Functional Characteristics

- Support RS232 serial communication.
- Support Gigabit Ethernet port communication.
- Support 8-way power switch control.
- Support 4-way light sensor connection.
- Support automatic brightness adjustment.
- Support temperature and humidity detection.
- Support audio output.
- Timer function which is able to replace timer and delayer.
- It meets the EU ROHS standard.
- Through 3C, CE, FCC certification.

2 Appearance



Picture 1: MF630 Multifunction Card

3 Interface definition

interface	function definition
COM1	serial port
DJ1	Audio output interface
JP4	Ethernet interface
JP2 ,JP1	Power input interface
J2,J3,J4,J5	Optical probe and temperature and humidity probe interface
JP7-JP13	Contact on-off terminal

4 Indicator status description

light status	
LED1	The power indicator is red, and it is always on to indicate that the power supply is normal, and if it is off, it indicates that there is no power on.
LED2	The device running indicator is green, flashes when it is running normally, and is always on when it is not working properly

5 Machine parameters

Project	parameter value
Rated power	15w
Supply voltage	DC 3.5V-6V
Operating temperature	-10°C- 70°C
Working humidity	0% - 95%

6 Dimensions

Unit mm

