INTELLIGENT CENTER CONTROLLER

IR 1
IR 2
IR 3
IR 4
IR 5
IR 6
IR 7
IR 8

IR STUDY

COM 1
COM 2
COM 3
COM 4
COM 5
COM 6
COM 7
COM 8

RELAY 1
RELAY 2
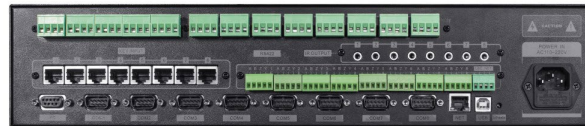RELAY 3
RELAY 4
RELAY 5
RELAY 6
RELAY 7
RELAY 8

I/O1-IN
I/O2-IN
I/O3-IN
I/O4-IN
I/O5-IN
I/O6-IN
I/O7-

I/O1-O
I/O

LF 中控系统
SERIES

产品型号 Product Model
LF-5000   LF-WF3000M   LF-06M   LF-HDMI0404

▶内置红外学习器，可学习红外代码。

▶8路独立可编程IR红外发射口。

▶8路I/O口，包括8个独立的输入口和8个独立的输出口，5V电平检测/输出。

▶8路可编程RS232（双向）控制接口，8路可编程RS422(双向)控制接口。

▶8路弱电继电器口，提供常开、常闭触点。

▶8路RJ45面板接口，最大可接8个LF-06M墙上触摸面板。

▶采用32位内嵌式处理器，处理速度最高可达533MHz。

▶采用高度集成化处理芯片，考究的LAY OUT让系统运行非常稳定、流畅。

▶主机内置8MB内存及16MB的大量FLASH存储器。

▶尺寸(H×W×D)：89×485×283mm。

▶Built in infrared learning device for learning the infrared code.

▶8 channel independent programmable IR infrared transmitter.

▶8 channel I/O port, including the independent input and output port, 5V level detection and output.

▶8 channel programmable RS232/RS422 bidirectional control interface.

▶8 channel weak current relay ports, providing normally open/closed contacts.

▶8 channel RJ45 panel interface,maximum can connect 8 LF-06M wall touch panel.

▶Using 32 bits embedded processor,processing speed up to 533MHz.

▶Using highly integrated processing chip, elegant LAY OUT keep the system runs very stable ,smooth.

▶Built-in 8MB memory and 16MB flash memory for host.

▶Dimension(H×W×D):485x283x89mm.

产品特性 Features

▶基于ARM平台的智能型可编程中央控制主机，采用可编程逻辑电路（FPGA），性能更稳定

▶采用32位的CORTEX M3系列内嵌式处理器

▶主机内置8MB SDRAM内存及16MB的FLASH存储器

▶面向对象的总线协议控制，可任意扩展控制模块

▶通过编程可实现设备连动控制，使控制更加方便、简单、实用

▶采用容错技术设计及高抗干扰能力通讯接口电路，保证了系统运行的稳定性

▶支持远程网络连接和本地控制；1路PC电脑控制接口

▶可配置AP服务器无线网络模块，实现网络控制，支持各种平台的MID设备操控

▶同时支持无线触摸屏IPAD、iPhone、智能手机、有线墙上触摸屏、电脑多种控制方式

▶The intelligent programmable central control host based on ARM platform,using programmable logic circuit (FPGA),has more stable performance;

▶Using 32 bits CORTEX M3 series embedded processor;

▶Built-in 8MB SDRAM memory and 16MB FLASH memory for the host ;

▶With oriented bus protocol control ,can freely extended control module;

▶By programming the equipment can achieve linkage control,make the control more convenient,simple and pratical;

▶Using fault-tolerant technique design and high anti-interference port,ensure the stability of the system operation;

▶Support remote network connection and local control; 1 way PC computer control interface;

▶Configurable AP server wireless network module to achieve network control,support various MID devices control;

▶Support various control like wireless touch screen IPAD,IPHONE,smart phones, computers .

LF-WF3000M

无线 AP 服务器
Wireless AP server

无线 AP服务器通过硬件连接和编程，便可以使用各类MID设备（如IPAD/IPHONE/安卓智能手机/平板电脑）通过无线/有线网络访问服务器操控页面，通过按钮点击与拖拉的方式控制与中控连接的受控设备（如音视频矩阵、投影机、DVD等）。

Wireless AP servers are connected and programmed by hardware,you can use a variety of MID devices (such as IPAD / IPONE / Android smartphones / tablets) to access servers over wireless / wired networks to manipulate pages. The devices (such as audio and video matrix, projector DVD, etc) connected with the central control are controlled by clicking and dragging the button.

产品特性 Features

▶完美支持多点触控，体现了当前多任务操作的优势。

▶终端设备无需安装任务操控软件便可随时访问服务器的优势。

▶可以与图片联动，使用户可以更加直观的显示操作。

▶操控速度大幅提高，达到了us级的反应速度。

▶自由定义按键时间，可以显示按键时间，并且按键时间达到才能执行，有效地防止了误操作。

▶内置网络协议解释器，可将网络操控协议转换为RS232通讯协议。

▶重大革新，解决了长期以来安卓系统上长按按键会弹出菜单的问题。

▶增加了自锁按键。可以真是反馈按键信息，并且在多台控制设备中实现同步显示。

▶可以实现矩阵滑动切换的显示效果，而不是以前的盲切，不知道哪路视频切换到哪路视频源。

▶可以实现音量推子，并且显示音量大小，消除传统的盲调而不知道音量大小的问题。

▶Perfect support multi touch, reflectling the current multi tasking advantages.

▶The terminal equipment can access the server at any time without install task control software.

▶Can be linked with pictures , users have more intultive operation.

▶Manipulation speed increased significantly,reaching the US level reaction speed.

▶Free definition time,it implements when achieve the key time , effectively prevent the misuse.

▶Built-in network protocol interpreter, can be converted to RS232 communication protocol.

▶Major innovation to solve the problem that Android system will pop up the menu once long press the button.

▶Increase the self-lock keys can feedback key information and achieve synchronous display.

▶Realized the matrix sliding switch instead of blind cut .

▶Use Fader to control volume instead of traditional blind regulating.

参数规格 Specifications

处理器CPU	ARM9 450MHz；RAM：256M	CPU	ARM9 450MHz；RAM：256M
数据存储空间	64M(可扩充至2G)	Data storage space	64M(can extend to 2G)
通讯协议	TCP/IP	Communication protocol	TCP/IP
网络NET	10/100M自适应	NET	10/100M self-adaption
下载模式	FTP	Download mode	FTP
管理模式	HTTP	Management mode	HTTP
通讯接口	1个DB9/M接口	Communication interface	1×DB9/M port
网络接口	1个RJ45	Network interface	1×RJ45
软件	RF可编程中控软件，中文界面	Software	RF programmable control software,chinese interface
OS	WINCE	OS	WINCE
电源规格	宽电压通用电源(110V-240V)	Power specificaitons	wide voltage universal power supply(110V-240V)
安装方法	金属机箱，19英寸标准机柜安装	Installation	metal case，19″ standard cabinet
尺寸(H×W×D)	44×485×285mm	Dimension(H×W×D)	485×285×44mm
重量	1.5kg	Weight	1.5kg

LF-HDMI0404

矩阵切换器
Matrix Switcher

产品特性 Features

►四路HDMI高清信号任意显示到四个HDMI显示设备上，支持深色30,60位输入。

►支持蓝光DVD24/50/60fs/HD-DVD/xvYCC。

►支持音频格式DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby等。

►支持信号时序重整。

►使用AWG26HDMI标准线缆输入传输距离可达10米，输出传输距离可达15米，输入端可通过红外线进行遥控切换，可通过RS232与中控主机连接控制，也可以通过前面板按钮进行切换控制，切换信号无损失。

►4 channel HDMI signal connect to the 4 HDMI display devices freely, support for dark 30,60 bits input.

►Support blue-ray DVD24/50/60fs/HD-DVD/xvYCC.

►Support audio format DTS-HD/Dolby-trueHD/LPCM7.1/DTS/Dolby etcs.

►Support signal timing reorganization.

►Use AWG26HDMI standard cable input transmission distance up to 10 meters,output tansmission up to 15 meters, the input can be switched with IR remote control or the front panel button, or controled by the central host with RS232 ,the switching signal is lostless.

参数规格 Specifications

输入	4路，HDMI接口Type A母座	Input	4 channel，HDMI port Type A female socket
输出	4路,支持输出自动断开，HDMI接口Type A母座	Output	4 channel,support output automatically disconnected，
带宽	最大支持1.65Gbps		HDMI port Type A female socket
HDMI版本	1.3	Bandwidth	Maximum suppport 1.65Gbps
支持最高分辨率	U×GA，1080p/60Hz，1920×1200	HDMI version	1.3
支持信号	480p、576p、720p、1080i、1080p	Highest resolution	U×GA;1080p/60hz,1920X1200
HDCP兼容	符合HDCP协议	Signal	480p、576p、720p、1080i,1080p
控制方式	前面板按键，红外遥控，RS232	HDCP compatible	complies HDCP protocol
显示方式	四位LED数码管	Control way	front panel by buttons，infrared reomote control，RS232
静电保护等级	空气18KV，接触12KV	Display mode	4 bits LED digital tube
断电数据保护	支持	Class of electrostatic protection	air 18KV，contact 12KV
工作电源	100-240V AC；50/60Hz	Power off data protection	support
尺寸(H×W×D)	45×425×260mm	Power supply	100-240V AC；50/60Hz
		Dimension (H×W×D)	425×260×45mm

LF-06M

6 键墙上触摸面板
6-Key wall touch panel

►标准86盒设计，安装方便。产品尺寸86x86mm。

►铝合金电镀面板，面板有金色和银色可选，与中控主机采用标准的RJ45网线（568B）连接，供电由主机内部提供。

►待机时有微弱的背景灯，方便黑暗中寻到触摸按键。

►触摸按键有闪烁的指示灯，可一目了然的知道在执行的按键。

►背景灯有红色、绿色、蓝色三种颜色可选。

►Standard 86 box design, convenient installation. The product size is 86x86mm.

►Aluminum alloy electroplated panel, the panel is available in gold and silver. It is connected to the central control with standard RJ45 (568B), and the power supply is provided from inside of the host.

►There is weak background light when standby,very convenient to search for touch keys in the dark.

►The touch button has a flickering light, and it is clear that which button is executed.

►The background light has red, green, blue three colors for option.