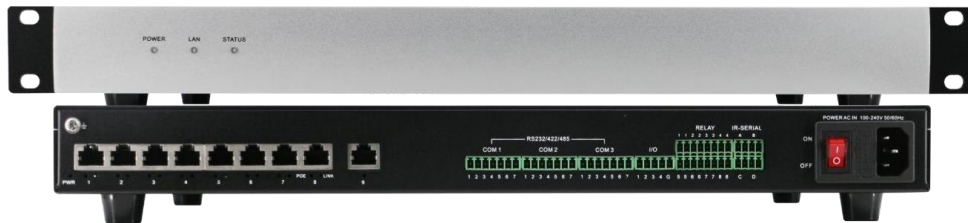


IAV8 web-based programming central control system



IAV-8 LAN is designed for command control center office and building automation, multimedia environment and home automation, It combined programmable logic and protocol with programmable user interface together, provide full network and intelligent central control technology. It is essential equipment for command center, it is widely used for administration center, building control, meeting room, training center, exhibition center, industry and home automation.

Features

- Cloud programming without installing software
- Remote debugging
- Neural networks mode to inspect the real time operation Sharing
- resources on cloud platform
- Supports various network control protocols(TCP/UDP/Telnet/Http)
- Ethernet control and monitoring

Specification

Name	Description
CPU	Quad Core ARM Cortex - A7 1GHz
Operating system	Linux 4.1.15 kernel
Memory	1GB DDR3 RAM

Flash	8 GB Nand Flash
RELAY	8 - isolated low voltage relay (normally open) 30VDC/AC 1A
I/O	4- Digital I/O input
INFRARED-SERIAL	4 - infrared or one-way RS-232 serial port
RS232/422/485	3- bidirectional RS232/422/485
LAN	1X8-RJ45 10M/100M/1000M Ethernet interface
RST	1-RSTsystem reset button
Power Supply	AC 180V-240V
Working environment temperature	0C ~50 C
Relative humidity of working environment	10%-90%
Protocols supported	TCP, UDP, ICMP, IEEE 802.1X, IPv4, HTTPS, HTTP NTP, SFTP, SMTP, SSH, DHCP, DNS, SNMP etc.

Network switch features

- Support power supply for wireless (AP) and network surveillance cameras (surveillance cameras), IP phone through Cat5e/6 standard UTP network cable
- 8 Gigabit adaptive RJ45 ports, 2 uplink 10/100/1000M adaptive Ethernet electrical ports
- 8 RJ45 ports support PoE power supply, in line with IEEE802.3af/at standard
- Maximum power supply of PoE single port: 30W; total power of the whole machine is 120W
- Comply with IEEE 802.3; IEEE 802.3u; IEEE 802.3ab; IEEE 802.3x Flow Control; IEEE802.3at
- Flow control method: Full duplex adopts IEEE 802.3x standard, half duplex adopts Back pressure standard
- Support automatic port flip (Auto MDI/MDIX)
- Support network port lightning protection (AC power port:
- All ports support wire-speed switching, and can reach wire-speed within the range of 10K frame lengthAdaptive power supply, plug and play, no configuration required

Network switch specification

Data		Description
Model		8GP+2G
POE Parameters	Power supply	Mains power supply
	Input voltage	AC100~240V 50-60Hz
	Power consumption	total consumes less than 120W
Ports parameters	Network port	Supports 10/100/1000Mbps 10/100/1000Mbps
	Network transmission distance	Port 1~9: 100m
	Transmission medium	Port 1~9: Cat5e/6 standard UTP
	POE standard	Compliant with IEEE 802.3af/at international standard, the maximum power supply for a single port is 30W
	PoE	End-spanning 1,2,3,6 (default)

	PoE Parameters	Single POE port $\leq 30W$, total power $< 120W$
Switch parameters	Protocol	IEEE 802.3i、IEEE 802.3u、IEEE 802.3ab、IEEE 802.3z、 IEEE 802.3x、IEEE 802.3af/at
	Backplane Bandwidth	20G
	Packet forwarding rate	Store and forward
	Packet cache	2M
	MAC address table	8K
Status indicator	Power indicator	1 indicator (green)
	Network port power supply LED indicator	8 indicators for Poe status, the indicators on RJ45 sockets are yellow
	Network port data LED indicator	9 indicators for data status, the indicators on RJ45 sockets are green
Degree of protection	Communication port lightning protection	4KV standard : IEC61000-4-5
	Total electrostatic protection	1a Contact discharge level 3 1b Air discharge level 3