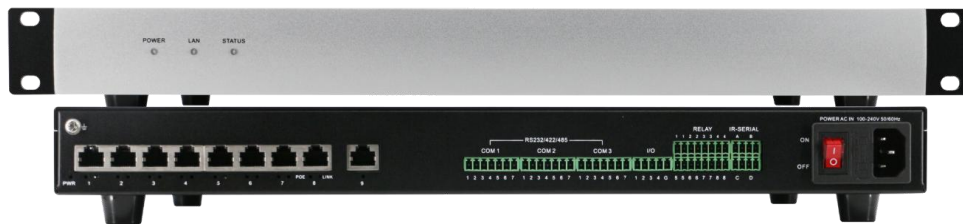


web-based programming central control host

GK-CP8 is designed for command control centre, 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 centre. it is widely used for administration centre, building control, meeting room, training centre, exhibition centre, 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)

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 |
| LAN | 1X8-RJ4510M/100M Ethernet interface |
| RST | 1-RSTsystem reset button |
| Power Supply | AC 180V-240V |
| Working environment temperature | 0C ~50C |
| Relative humidity of working environment | 10%-90% |
| Protocols | TCP, UDP, ICMP, IEEE 802.1X, IPv4, HTTPS, HTTP, NTP, SFTP, SMTP, SSH, DHCP, DNS, SNMP etc. |
| Weight | 3.6kg |

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 length Adaptive 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 |

***Images are illustrative purpose only.**