Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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# AK-SecurePowerSwitch



■ **MADE**
■ **IN**
■ **GERMANY**

## Remote controllable IP socket for networks
## with electronic solid state relay.

The **AK-SecurePowerSwitch** is a top-class IP socket. It is possible to switch up to 10A or 2300 watts without any restrictions. It is inevitable that light arcs are generated on electro-mechanic relays when switching electrical devices and thus the service life of the relay is always limited. On the **AK-SecurePowerSwitch** it is not possible since the electrical devices are fully electronically switched on and off by means of a **Solid-State-Relais**. **No sticking together and burning of the contacts and thus absolutely wear-free and safe.** The network connection is established by default via a **1024Bit-SSL encryption** and can be additionally saved or extended via server and client certificates. The consumption data are registered up to 30 days and can be displayed on the WEB monitor.

The Web monitor can be easily attained without any additional APP via the network, the Internet or via a mobile terminal such as e.g. a mobile phone. It indicates all relevant data in real-time and you will immediately get an overview of the consumption or the output of the connected electrical consumer.



**Options**:
The existing WEB interface can be replaced, adapted or modified to the specific customer requirements. A flash file system is available which can be reached easily and simply after having activated it via an FTP connection. There you will find the complete homepage of the **AK-SecurePowerSwitch.**

After having activated an additional TCP-IP network port you can also directly access the **AK-SecurePowerSwitch** via the network and directly control it with simple ASCII commands, such as e.g. **<PW0>,<PW1>** or **<PW?>**.

## Technical data

- **Dimensions:**
  198 x 120 x 48 mm (LxWxH)

- **Housing**
  1mm metal housing

- **Weight**
  1.2 Kg

- **Temperature range:**
  -40°C .. + 70°C

- **Standards**
  CE / WEEE / RoHS-II
  EN 55022 Class B
  EN 55024 Class A

- **System of protection**
  IP30

- **Power supply:**
  110-230V 50/60Hz
  About 2.5 watts

- **Switching capacity**
  110-230V 50/60Hz
  10A or 2300 watts
  8A or 2000 watts continuous load

- **Connections**
  1 x IEC box mounting receptacle C13
  1 x IEC box mounting receptacle C14
     With switch and fusing
  2 x RJ45 (Mini-Hub)
  1 x RS232 9Pol Sub-D connector

- **Ethernet (M-DIX)**
  10 Half Duplex
  10 Full Duplex
  100 Half Duplex
  100 Full Duplex
  AutoSensing

- **Solid-State relay**
  Zero-voltage switch

| | |
|---|---|
| Operating voltage | = 48-660VAC |
| Switching capacity | = 50A |
| Switching time | = 10ms |
| Max. overvoltage | = $1200V_{pk}$ |
| Max. impulse peak | = $625 A_{(10ms)}$ |
| Max. load category AC51 | = $50 A_{eff}$ |
| Max. load category AC53 | = $15 A_{eff}$ |

## Supported protocols IP-Dual-Stack

- IPv4
- TCP
- UDP
- FTP
- FTPS
- TFTP
- ICMP
- ARP
- SNMP
- LPR
- DHCP
- BOOTP
- DNS
- TELNET
- HTML
- HTTP
- HTTPS
- DYNDNS
- SMTP
- POP3
- SYSLOG
- AK-M2M

- IPv6
- NDP
- ICMPv6
- DHCPv6
- TCPv6
- UDPv6
- Netbios-NS
- LLMNR
- ZeroConfig
   -APIPA
   -AutoIP
- IP-Multicast
- IEEE802.1x
- SSL 3.0
- TLS 1.0
- TLS1.1
- TLS1.2

## Management

1. Telnet
2. Browser
3. Serial interface

## Views

### Front side



### Rear side



## Scope of delivery

1 x AK-SecurePowerSwitch
1 x IEC connection cable
1 x IEC device extension cable
1 x Device adapter (IEC-Schuko)
1 x Network cable

## Order numbers

**AK-SecurePowerSwitch**