



# Technical data sheet

## AK-SecureSocketSwitch



# AK-SecureSocketSwitch

## Remote controllable IP socket for networks

The AK-SecureSocketSwitch is a switchable IP socket, which is used to switch on or off any power consumers as well as to monitor and measure the current power consumption. Due to the integrated micro switch you do not need any additional power supply cable, since the AK-SecureSocketSwitch possesses two integrated network connections. The high-performance and safety relay which is equipped with silver tin oxide contacts (AgSnO<sub>2</sub>), is offering you a high switching capacity, a high durability as well as a reliable and trouble-free operation. The network connection is performed by default via a 1024Bit-SSL encryption and can additionally be secured or expanded by server and client certificates. The consumption data are logged for up to 30 days and can be displayed on the WEB monitor. Lots of additionally programmable software functions allow you to control, reduce and optimize your power consumption in a targeted and efficient way. Using our M2M solution, the AK-SecureSocketSwitch is easily and simply available via the Internet at any time. Without apps and without tools.

The web monitor can be simply and easily accessed without any additional application via the network, the internet or a mobile terminal such as a mobile phone. It shows all relevant data in real-time and you immediately get an overview of the consumption or power of the connected electrical consumer.



# AK-SecureSocketSwitch

## Options:

The existing WEB interface can be exchanged, adapted or changed according to the customers' specifics. To do so, a Flash-File system is available which can be accessed simply and easily after releasing a FTP connection.

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

## Software functions

- Controlling the IP socket via the Internet.
- Suppressing devices through an interruption in the power supply.
- Time controlled switching of power consumers.
- Switching of power consumers depending on the consumption.
- Automatic switching the power consumers on or off.
- Controlling the IP socket through the network with ASCII commands.
- XML data exchange.
- Examining the inactivity of network devices.
- Optical display of the current consumption.

## Views



Front view



Side view

## 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
- SSL 3.0
- TLS 1.0
- TLS1.1
- TLS1.2

## Management

1. Telnet
2. Browser

## Technical Data

### Dimensions:

135 x 55 x 40 mm (LxWxH)

### Housing

Impact-proof ABS plastic

### Weight

200 grams

### Temperature range:

-40°C .. + 70°C

### Standards

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

### Protection class

IP30

### Power supply:

110-230V 50/60Hz  
about 1.2 watts

### Switching capacity

110-230V 50/60Hz  
10A or 2300 watts

### Ethernet (M-DIX)

10 Half Duplex  
10 Full Duplex  
100 Half Duplex  
100 Full Duplex  
AutoSensing

### Connections

1 x CEE 7/4 connector plug (type F)  
1 x CEE 7/4 power input (type F)  
2 x RJ45 (micro switch)

### Relay

Contact material = AgSnO<sub>2</sub>  
Max. continuous current = 16A  
Max. switch-on current = 25A  
Nominal voltage = 250V  
Max. switching voltage = 400V  
Max. switching capacity AC1 = 4.000VA  
Max. switching capacity AC15 = 750VA