



Technical data sheet

AK-SecurePowerSwitch



AK-SecurePowerSwitch

**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.



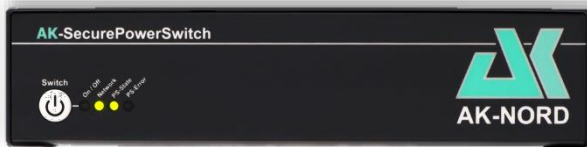
AK-SecurePowerSwitch

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?>.

Views



Front view



Rear side

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

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 = 1200Vpk

Max. impulse peak = 625 A(10ms)

Max. load category AC51 = 50 Aeff

Max. load category AC53 = 15 Aeff

Management

1. Telnet
2. Browser
3. Serial Interface

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 number

AK-SecurePowerSwitch