

ePowerSwitch 4 IEC

The ePowerSwitch 4 IEC is a logical further development of the ePowerSwitch 4. With it's 1U in height and the 4 IEC320 outlets on the front panel it is ideally suited for server racks and patch panels. The device provides a fast and direct access to put servers or computers directly into monitoring.



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Description

The ePowerSwitch 4 offers numerous usages to control, manage and monitor any device. The configuration of the sockets via the integrated webserver is flexible and comfortable.

The main field of application are server racks and patch panels. Through the power outlet on the front panel any PC or server may be included in the monitoring at any time.



Connection features

- Status-LED for all ports
- RJ45 connection
- RS232 connection
- 4 IEC320 outlets
- 1 IEC320 input

Power Distribution

Each power outlet can be switched on/off and restarted via IP or RS232 interface. This can be done by the web interface, a KVM switch, SNMP, or any serial interface. They can also be switched single or as individually created group of outlets. The sequential on and off switching of each outlet prevents resulting peak loads within the IT environment.

The power outlets are equipped with extremely robust HiAmp relay for high inrush currents. Individual delays (1-255 seconds when you next switch, 1-3600 seconds when restarting) can be configured for the switching process.

Monitoring

Device monitoring

The monitoring of connected devices is realized through the use of a ePowerSwitch Master. It can monitor up to 40 IP addresses with ping or scan commands and send a message (SNMP trap, e-mail, syslog) in case of a crash automatically. If the monitored IP devices are powered by the ePowerSwitch they can be automatically restarted.

With the ePowerSwitch 4 IEC flexible and affordable solutions for power management of servers or other devices are possible. Commissioning and configuration of the connected devices is done in a few minutes. The areas of application are not only limited to the IT environment.

Management

The management and control of the device using the integrated web server through the web browser is quite simple. Moreover, it is possible to send switching commands via a connected KVM switch or a terminal console.

Authentication

All current ePowerSwitch devices use a nonce (cryptographic nonce) and a hash function for authentication so the access can not be reconstructed or manipulated. To support fully encrypted transmission of data corresponding devices are available (eg. ePowerSwitch 8XM or VizioGuard).

User accounts

The administrator can create up to 40 user accounts with different rights via the web interface. Access to the webserver is protected by 32-character user names and passwords. In addition, up to 40 users may simultaneously access the ePowerSwitch and all connected xBus peripherals.

Grouping of power outlets

The grouping of power outlets allows a server with redundant power supplies or multiple devices to be turned on/off with a command sent through a web browser or by SNMP.

Programmable rules

Up to 32 rules can be configured to monitor analog values and digital inputs. Pre-programmed actions will be triggered on alarm state which will switch eg. relay or sockets. Optional e-mails, SNMP traps or syslog messages can be sent.

Timer and scheduler

The device offers the possibility to automatically operate the power outlets by a timer and/or a scheduler function. Individual power outlets but also groups will be turned on/off at defined times. It is also possible to automatically send e-mail, SNMP traps and syslog messages with the scheduler. By using a Internet connection the option to trigger an action on remote ePowerSwitch devices is given.

Designations

Up to 32 characters long names can be set to all devices and sensors connected. This unique identification simplifies the programming of rules, groups and the associated actions.

Online help

An intuitive interface and context-sensitive online help allow administrators to quickly enable various and powerful features of the system. Detailed instructions and explanations are listed in the operating instructions.

Features at a glance

- Control of 4 IEC power outlets.
- Remote power management over IP or RS-232.
- Remote triggering of actions on other ePowerSwitch or VizioGuard devices.
- Monitoring of 4 IP devices with automatic reboot in case of lock-up.
- Wake on LAN (WoL).
- Soft shutdown of a server with shutdown capabilities.
- 1 administrator account and 40 users accounts with concurrent access.
- Digest Authentication with MD5 cryptographic hashing.
- Scheduler with NTP Real Time Clock.
- Free definable labels for the device, power outlets, accounts and rules.
- Inrush current relays.
- Easy and fast configuration, occupies only 1U of rack space.
- Status LEDs for power input and power outlets.
- Log file, Emails, SNMP Traps and Syslog messages
- Online help.
- Firmware update over LAN.

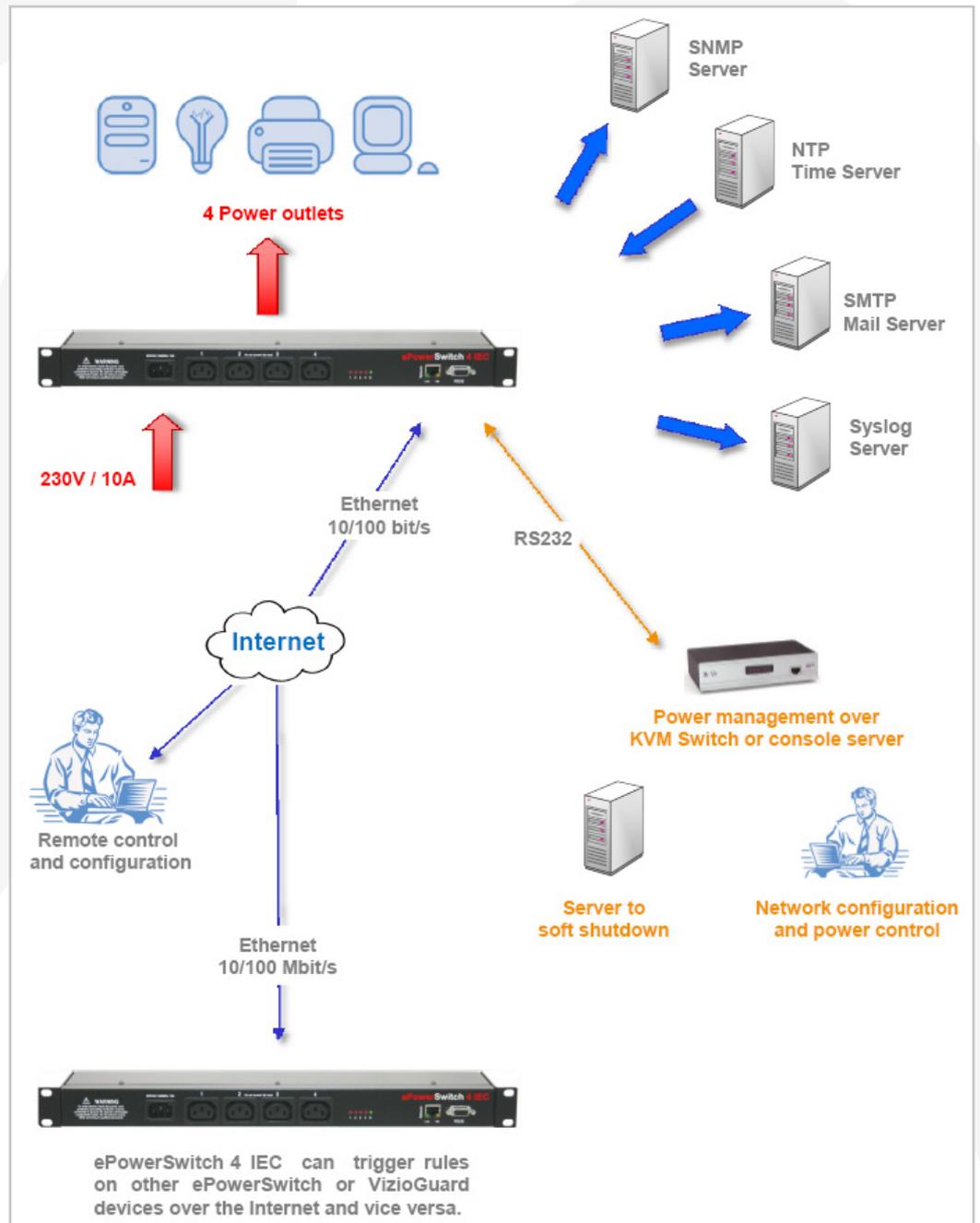
Technical data

Power input	1 IEC320 EN60320 C14 (M) Nominal voltage: 230V / 50Hz Max. current: 10A
Power output	4 IEC320 EN60320 C13 (F) Nominal voltage: 230V / 50Hz Max. current/outlet: 10A
Network standards	IEEE 802.3, 10/100 Mbit/s
Network protocols	TCP/IP, HTTP
Network connection	RJ45 for UTP CAT5
Max. network cable length	100 m
Terminal connection	RS232, SUB D9 female
Connection Bus	RS485, RJ45
LED	Power, Network, Sockets
Operating temperature	0°C to +40°C
Operating humidity	10% to 80%
Dimensions (W x H x D)	478 x 42 x 62
Weight	1.3 kg
Approvals	CE, EN55022 & EN55024, RoHS
Guarantee	2 years repair/replace

Package contents

- 1 EPS 4 IEC
- 1 power cord, 1,80 meters IEC-320-C13 / EU, CH or UK standard -
EU = SCHUKO/Europe, CH = Swiss, UK = United Kingdom
- 1 Network cable
- 1 serial cable (SUB-D9 male/female) 1,80 meters
- 1 CD-ROM with english manual and Windows IP configuration tool

Application example



DISTRIBUTOR



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