

# ePowerSwitch 8M+ R2



**ePowerSwitch 8M+<sup>R2</sup>** is a power distribution and control unit that enables remote power management of 8 devices over Intranet, the Internet or locally through an RS-232 serial connection. It also allows to trigger a soft shutdown of a server and offers environmental control functions and IP devices monitoring. The ePowerSwitch 8M+<sup>R2</sup> unit supports the HTTP, DHCP, SNMP, Syslog and SNTp protocols.

### Flexible and expandable system

The A-xBus on the front panel enables to connect up to 4 peripherals to increase the number of controlled power outlets and/or to set up a remote monitoring of your facilities.

### On, off and restart functions

Each power outlet or power outlets group can be individually controlled through an Ethernet connection. The serial interface also enables the power outlets management over a Terminal connection and to trigger a soft shutdown of a server with shutdown capabilities.

### Programmable restart delay

A restart delay (5-60 seconds) can be set individually for each power outlet.

### Sequential power up/down

Avoids the risk for a power inrush to blow a fuse or circuit breaker in the data centre.

### Accounts/ IP security

Access to the ePowerSwitch is protected by name and password. The administrator account allows complete configuration and control of all power outlets over a web browser. The administrator can create up to 40 concurrent user accounts with restricted rights.

### Easy and fast configuration

Full configuration can be performed through the Web using a web browser. The Network configuration can be done through the provided Windows tool over the LAN or through a Terminal connection.

### Programmable labels

To avoid confusion during operation, you can attribute a 32-character label to each device, power outlet, group of outlets, user account, rule, peripheral..

### Programmable rules

The ePowerSwitch 8M+<sup>R2</sup> can automatically carry out up to 32 rules to trigger scheduled tasks or to take predetermined actions (switching off a power outlet, sending alerts messages) in response to a specific event (exceeded temperature threshold, opened contact door).

### IP devices monitoring

A Watchdog function lets you monitor 8 IP devices (servers, routes, camera...). In case of lock-up of the monitored device, this one can be automatically rebooted.

### Environmental monitoring

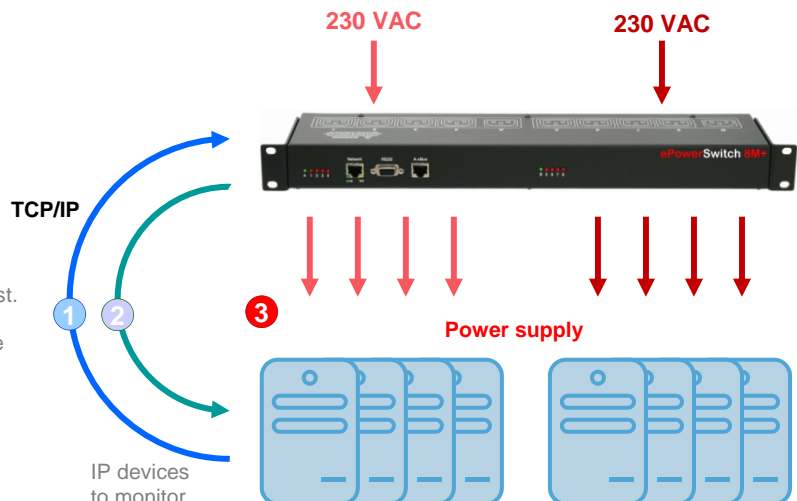
Many sensors (temperature, humidity, ambient light...) and detectors (smoke, liquid...) can be used to secure your facilities and automatically trigger emergency actions.

### Developer facility

Developers can use the specific page functionality (with or without identification) for an easy implementation of the power outlet control through the network in their own program.

### The Watchdog function

- 1 ePowerSwitch sends a ping/scan request.
- 2 The monitored device acknowledges the request.
- 3 The monitored device is automatically rebooted in case of lock-up.



## Benefits

- Remote power control of 8 power outlets or power outlet groups.
- Power up-down sequencing to avoid in-rushes currents at start-up.
- Free definable labels for the device, each power outlet, group, rule...
- Control and configuration over IP and RS232 connection.
- Monitoring of 8 IP devices with automatic reboot in case of lock-up.
- Soft shutdown of a server with shutdown capabilities.
- 1 administrator account and 40 users accounts with concurrent access.
- Easy and fast configuration.
- Metallic 19" rack mounting casing.
- Status LEDs for power input, network and power outlets.
- Improved log file reporting.
- On line help.
- Firmware updateable over the LAN.

## Web Pages

The settings for the Web server and the control of the power outlets are organized by an easy to use set of tables.

## Supported peripherals:

Up to 4 of following peripherals can be connected to the ePowerSwitch 8M+R2:

- Sensors:
  - temperature sensor (T-Sensor)
  - temperature and humidity sensor (TRH-Sensor)
  - temperature and ambient light sensor (TL-Sensor)
  - temperature and proximity sensor (TP-Sensor)
  - temperature sensor (Tiny T-Sensor)
- Detectors:
  - liquid detector (KIT LIQ DET)
  - smoke detector (SMOKE DET)
  - movement detector (MOVE DET)
  - position, passage or level detector (MAGNETIC CON)
- Power outlet management:
  - power control unit, 1 outlet (ePowerSwitch 1XS)
  - power control unit, 8 outlets (ePowerSwitch 8XS)
  - power control unit, 8 outlets and 2 16A inputs with current probe (ePowerSwitch 8XS 32)
- I/O modules:
  - 16 inputs for dry contacts (XBUS DIM)
  - 8 relay outputs (XBUS DOM)
- Push Button (PUSH BUTTON)
- Power consumption management:
  - current probe, 1 power outlet (CP IEC)
  - consumption measuring: kWh, A, Volts (EnergyMeter)



Front side / Back

A series of front-panel LEDs provide quick status view.  
2 separate AC inputs allow power managing of devices with redundant power supply and a total load of 20 A.

## What's included

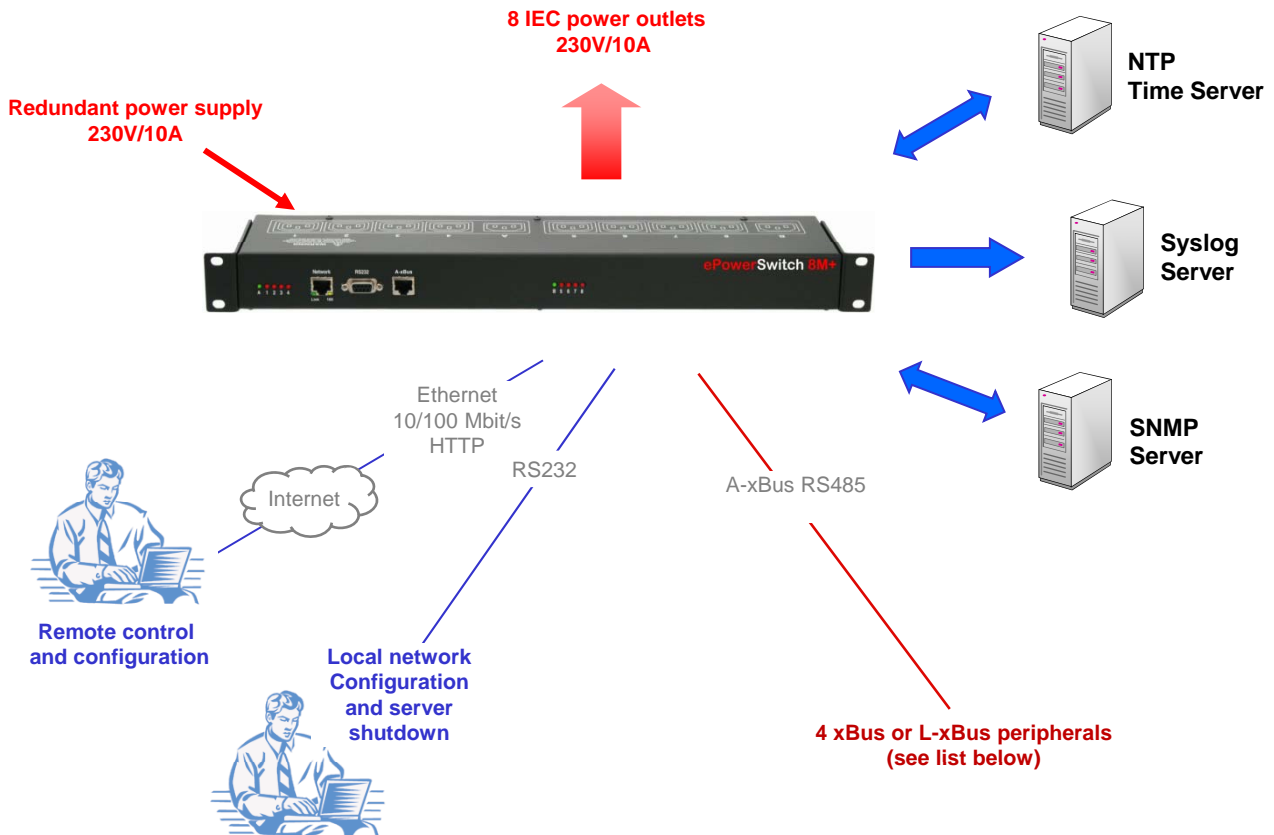
- ▶ 1 EPS 8M+R2-XX (XX specifies the delivered power cables)
  - ▶ 2 power cables, 1,80 meter  
IEC-320-C13 / EU, CH or UK standard  
EU = Schuko/Europe, CH = Swiss, UK = United Kingdom
  - ▶ 1 serial cable (SUB-D9 male/female) 1,80 meter
  - ▶ 1 RJ45 cable
  - ▶ 1 CD-ROM with user guide in English and Windows IP configuration tool

## Technical features

- ▶ 2 power inputs: IEC 320 EN 60320 C14 (M) 10 A
  - ▶ Nominal input voltage: 230 V/50Hz
  - ▶ Maximum current: 10A
- ▶ 8 power outputs: IEC 320 EN 60320 C13 (F)
  - ▶ Output voltage: 230 V/50Hz
  - ▶ Maximum current/outlet: 10A
- ▶ Network standards: IEEE 802.3, 10/100 Mbit/s
  - ▶ Network protocols: TCP/IP, HTTP
  - ▶ Network connection: RJ-45 for UTP CAT5
  - ▶ Max.network cable length: 100 m
- ▶ Terminal connection: RS-232, SUB-D 9 female
  - ▶ Connection Bus: RS-485, RJ-45
- ▶ LED's: power and network traffic socket status
- ▶ Operating temperature: 0°C to + 40°C
  - ▶ Operating humidity: 10% to 80%
  - ▶ Dimensions: 437 x 107 x 42mm
  - ▶ Weight: 2 kg
- ▶ Approvals: CE, EN 60950-1, EN 55022, EN 55024, RoHS
  - ▶ Guarantee: 2 years repair or replace

Distributor :

## Applications



ePowerSwitch 8M+R2 supports 4 of any following xBus or L-xBus peripherals:

**L-xBus peripheral:**

- temperature sensor (Tiny T-Sensor)



**xBus peripherals:**

**Environmental sensors:**

- temperature sensor (T-Sensor),
- temperature and humidity sensor (TRH-Sensor),
- temperature and proximity sensor (TP-Sensor),
- temperature and ambient light sensor (TL-Sensor)
- temperature and liquid detector (LIQ DETKIT),
- temperature and smoke detector (SMOKE DET KIT),
- temperature and movement detector (MOVE DET KIT)



**Power control units:**

- 1 port (ePowerSwitch 1XS)
- 8 ports (ePowerSwitch 8XS)
- 8 ports, dual 16A power inputs and current probe (ePowerSwitch 8XS /32)



1 to 32 power outlets

**Input/module:**

- 16 inputs for dry contacts (xBus DIM) for magnetic contact door, smoke detector, movement detector...



**Output module:**

- 8 relay output (xBus DOM)



**Push button:**

Triggering of 2 emergency actions



**Power measurement:**

- power consumption measurement of 8 power outlets (EnergyMeter)
- current measurement of 1 power outlet (CP IEC)

