

Power Switch NG

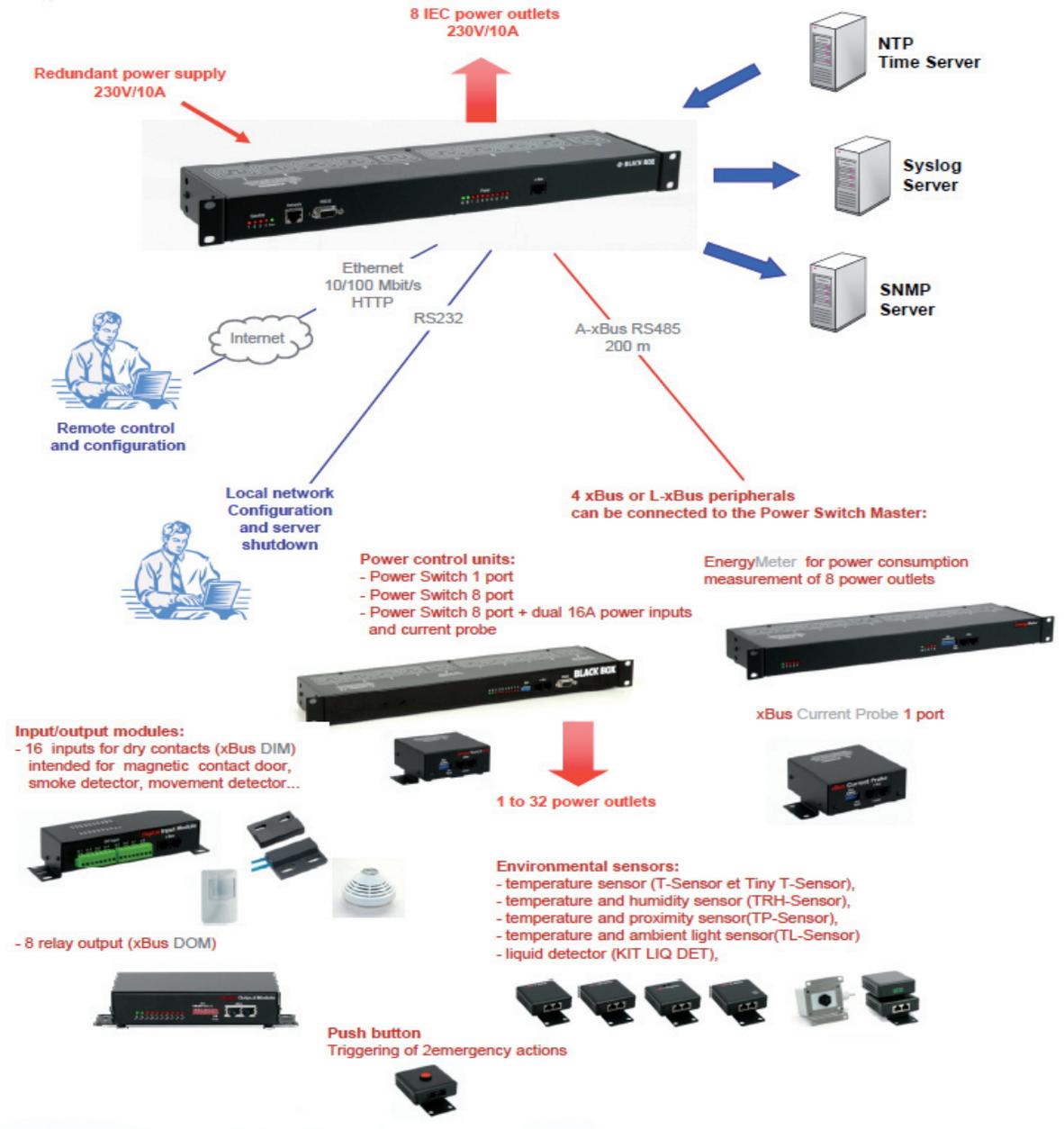
Power & control up to 8 power outlets or outlet groups via IP.



Application



Power Switch NG (PSE558)



FEATURES

- » Remote control of 1, 4 or 8 power outlets or power outlet groups.
- » Power up-down sequencing to avoid in-rushes currents at start-up.
- » Control and configuration over IP and RS232 connection.
- » Monitoring of IP devices with automatic reboot in case of lock-up.
- » Soft shutdown of a server with shutdown capabilities.
- » Easy and fast configuration.
- » Free definable labels for the device, each power outlet, group, rule...
- » 1 administrator account and 40 users accounts with concurrent access.
- » Metallic casing,.
- » Status LEDs for power input, network and power outlets.
- » Improved log file reporting.
- » On line help.
- » Firmware updateable over the LAN.

OVERVIEW

The Power Switch NG is new series of power distribution and control devices that enable remote power management of many 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. They support the HTTP, DHCP, Syslog and SNMP protocols.

Flexible and expandable system

The A-xBus on the front panel enable 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. 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

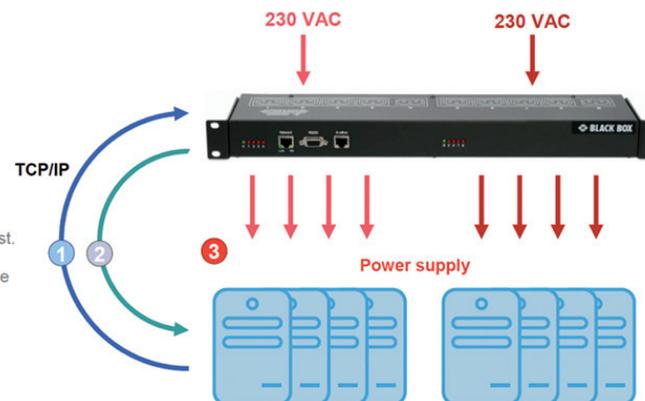
Avoids the risk for a power inrush to blow a fuse or circuit breaker in the data centre.

Concurrent access / IP security

Access to the Power Switch 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.

The Watchdog function

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



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 Power Switch NG 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 4 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.

TECH SPECS



Power Switch NG
(PSE558)

Connections —

Power input: PSE551, PSE554MA: (1), PSE558MA: (2) IEC 320 C14
 Power output: (1), (4) or (8) IEC 320 C13, depending on model
 Serial management and control: (1) DB9 F RS-232/V.24
 Network management and control: (1) RJ-45 F 10/100 Mbps Ethernet
 Connection bus: (1) RJ-45 F A-xBus

Engine —

Input voltage: 230 VAC nominal
 Input frequency: 50 Hz nominal
 Output voltage: same as input voltage
 Output frequency: same as input frequency
 Max. total load: PSE551, PSE554MA: 10A, PSE558MA: 2x 10 A
 Max. inrush current: 120 A
 Power switching: relay-based, only for live wire
 Control logic: proprietary system
 Features: delayed reboot, per port default power-up state, automatic reboot by ping or port scan timeout (configurable)

Management —

Indicators: (1) input status per input, (1) output status per output, (1) LAN speed, (1) power, (4) satellite connection status
 Setup and configuration: Windows configuration tool, RS-232 serial via terminal emulation, HTTP via web browser
 Output control: RS-232, HTTP
 Features: delayed reboot, default power-up state, automatic reboot based on ping (ICMP echo request) or port scan timeout
 Notification and alerts: syslog
 Security: user/password protected access, admin/user, up to 40 users, IP address filtering, configurable HTTP port, auto-logout
 Other features: DHCP client

Physical and environmental —

Power supply: internal, redundant
 Dimensions (W x H x D): PSE551: 17.5 x 4.2 x 10.2 cm, PSE554MA: 23 x 4.2 x 11.2 cm, PSE558MA: 43.7 x 4.2 x 10.7cm
 Weight: 2 kg
 Operating temperature range: 0 to 40°C
 Operating humidity range: 10 to 80% RH, non-condensing
 Enclosure: metal
 Convection: passive

What's included

- ◆ (1) Power Switch NG
- ◆ (2) power cables, 1,80 meter
- ◆ (1) serial cable (SUB-D9 male/female) 1,80 meter
- ◆ (1) RJ45 xBus cable
- ◆ (1) CD-ROM with user guide in English and Windows I configuration tool

Supported peripherals:

Up to 4 of following peripherals can be connected to this Power Switch Master:

- ◆ Sensors:
 - temperature sensor (PSE518T-Sensor)
 - temperature and humidity sensor (PSE518TH-Sensor)
 - temperature and ambient light sensor (PSE518TL-Sensor)
 - temperature and proximity sensor (PSE518TP-Sensor)
 - temperature sensor (Tiny T-Sensor)
- ◆ Power outlet management:
 - power control unit, 8 outlets (Power Switch PSE518SA)
 - power control unit, 8 outlets and 2 16A inputs with current probe (Power Switch Satellite32)
- ◆ I/O modules:
 - 16 inputs for dry contacts (PSE518DIM)
 - 8 relay outputs (PSE518DOM)
- ◆ Push Button (PSE518PB)
- ◆ Power consumption management:
 - current probe, 1 power outlet (PSE518CP)
 - consumption measuring: kWh, A, Volts (PSE518EM)

Item

Code

Power Switch NG, IEC320 with Schuko power cable	
1-Port	PSE551-EU
4-Port	PSE554MA-EU
8-Port	PSE558MA-EU
Power Switch NG, IEC320 with UK power cable	
1-Port	PSE551-UK
4-Port	PSE554MA-UK
8-Port	PSE558MA-UK
Power Switch NG, IEC320 with CH power cable	
1-Port	PSE551-CH
4-Port	PSE554MA-CH
8-Port	PSE558MA-CH

You may also need

xBus Sensor, temperature sensor	PSE518-T
xBus Sensor, temp./humidity sensor	PSE518-TH
xBus Sensor, temp./ambient light sensor	PSE518-TL
xBus Sensor, temperature and proximity	PSE518-TP
xBus Sensor, 1-port power switch	PSE511SA
Secure Power Switch, Schuko, 8x IEC C20, Satellite	PSE518SA-EU
Secure Power Switch, UK, 8x IEC C20, Satellite	PSE518SA-UK
Secure Power Switch, CH, 8x IEC C20, Satellite	PSE518SA-CH
xBus Sensor, Current Probe	PSE518-CP