

## Secure Power Switch G2

Control the power in your data center remotely from any location.



## FEATURES

- » Secure IP power control with SSL encryption.
- » 8 devices per unit, max. 136 devices in a system.
- » Dual input, twin output control for redundant PSUs.



Secure Power Switch G2 (PSE528)

## OVERVIEW

The Secure Power Switch G2 Master is an enhanced power distribution and control unit that enables remote power management of 8 devices (extendable up to 136) over the Internet. This high security device supports the SSL protocol and also includes IP device and environmental monitoring functionalities. It supports the HTTP, HTTPS, DHCP, Syslog, SNMP, SMTP and STMP protocols.

An internal clock allows to timestamp the syslog messages, e-mails and internal logs, and can be used to trigger time-controlled actions.

### Remote Power Management

Each power outlet can be turned On/Off or restarted over IP. The number of controlled outlets can be extended up to 136 by cascading 16 Satellite units (PSE518SA).

### Two separate AC Power Inputs

To improve the security and increase the total current load, the Secure Power Switch Master supports dual power inputs (up to 10 Amps each). The first one provides power for outlets 1 to 4 and the second one for outlets 5 to 8. This feature is ideal for power management of servers with redundant power supplies.

### Power Outlet Extension

Up to 16 Secure Power Switch Satellites (PSE518SA) can be connected to a Master to control up to 136 power outlets.

### Power Outlet Grouping

Groups of outlets from the Master and any Satellites can be created to control multiple power supply servers and many devices with a single command.

### Sequential Power up/down

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

### Programmable restart and Power-up delays

The restart delay (1-65535 s) and the power-up delay (0-3600 s) can be set individually for each power outlet.

### Access and accounts

The administrator password allows complete configuration and control of all power outlets. The administrator can create up to 255 user accounts with restricted rights.

### Multiple concurrent users

255 users can have a concurrent access to the Master and all Satellites and control their designated power outlets.

### Advanced Security

For your security, account access and data transfer can be encrypted with SSL technology.

### DHCP Client

The DHCP option enables to simplify the network configuration management.

### Scheduler for Time-Controlled Applications

This time-controlled function is used to schedule actions according to a defined time table. It lets you control power outlets and dry contacts and allows to send Emails.

### IP Device Monitoring

This function lets you monitor IP devices using PING and/or Scan functions with automatic reboot in case of lock-up of the monitored device.

### Temperature and Humidity Monitoring

This function lets you monitor temperature and humidity in racks or server rooms. If thresholds are exceeded, power outlets and dry contacts can be automatically controlled and Email / Syslog messages / SNMP traps sent.

### Dry contacts monitoring

The I/O Extension Module with 8 inputs for dry contacts let you monitor magnetic door contacts, smoke or water detectors.

### Improved log file reporting

Event logs are written to the internal log file and can be sent to a primary and a secondary Syslog Server and to an Email address.

### Programmable Labels

A 32-character label can be attributed to the Power Switch and to each power outlet to avoid confusion during operation.

### Easy Configuration

Full configuration can be performed through the Web using http or https. The network settings can also be done via a convenient tool or a terminal connection.

## 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 PSE538SA)

#### ◆ I/O modules:

- 16 inputs for dry contacts (PSE518DIM)
- 8 relay outputs (PSE518DOM)

#### ◆ Push Button (PSE518PB)

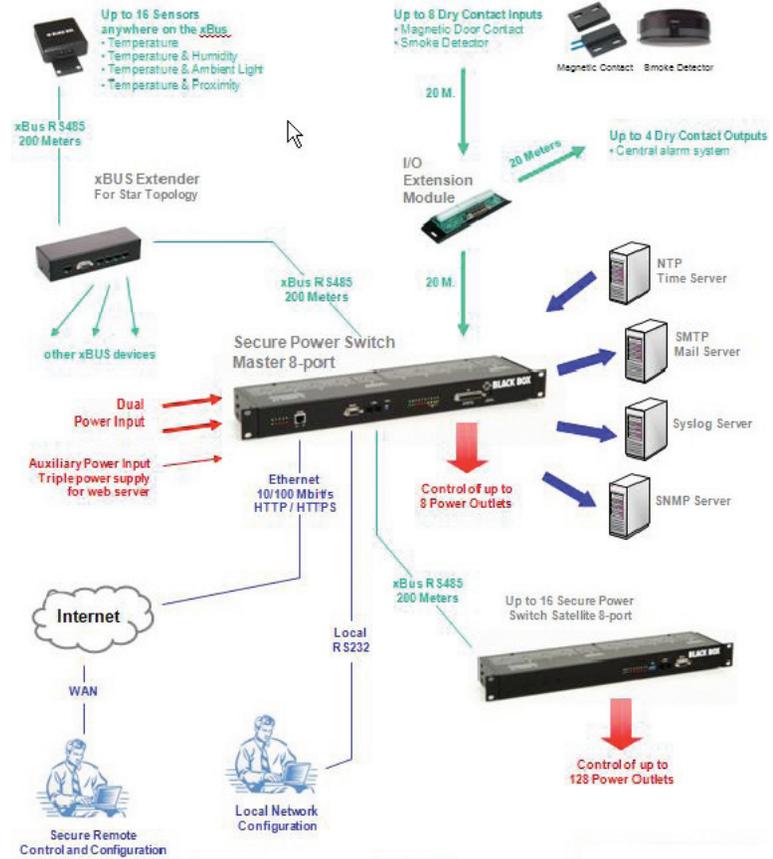
#### ◆ Power consumption management:

- current probe, 1 power outlet (PSE518CP)
- consumption measuring: kWh, A, Volts (PSE518EM)



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## Application



## TECH SPECS

### Connections —

Power inputs: (2) IEC-320 C14  
 Power outputs: (8) IEC-320 C14  
 Network: (1) RJ-45 F 10/100 Mbps Ethernet  
 Serial: (1)DB-9 F RS-232

### Engine —

Nominal input voltage: 230 V/50Hz  
 Output voltage: 230 V/50Hz  
 Maximum total current: 2 X 10A  
 Maximum current / outlet: 10 A  
 Network standards: IEEE 802.3, 10/100BASE-T  
 Network protocols: TCP/IP, HTTP, HTTPS  
 Network connection: RJ-45 for UTP CAT5  
 Max. network cable length: 100 m (not included)  
 SSL technology: Version 2 and 3

### Management —

Indicators: (1) power supply A, (1) power supply B, (1) network traffic,  
 (8) socket status, (4) dry contacts output status

### Physical and environmental —

Operating temperature: 0°C to +40°C  
 Operating humidity: 10% to 80%  
 Dimensions: 437 x 107 x 42 mm  
 Weight: 2 kg

### Item

Secure Power Switch G2, 8 x IEC C20, Master  
 with CH power cable  
 with Schuko power cable  
 with Uk power cable

### You may also need

Secure Power Switch, CH, 8x IEC C20, Satellite  
 Secure Power Switch, Schuko, 8x IEC C20, Satellite  
 Secure Power Switch, UK, 8x IEC C20, Satellite  
 xBus sensor, temperature sensor  
 xBus Sensor, temperature/humidity sensor

### Code

PSE528MA-CH  
 PSE528MA-EU  
 PSE528MA-UK

PSE518SA-CH  
 PSE518SA-EU  
 PSE518SA-UK  
 PSE518-T  
 PSE518-TH