

Intelligent Power Strips and Power Strips Controllers

Power Management Solutions

Alongside the delivery of reliable power to the network environment issues of power management are also a key concern to the network manager: unauthorised use of power outlets, locked-up equipment, in-rush current, overloaded circuits, and the need for remote access to power outlets within a rack.

These concerns are addressed with a range of intelligent power strips that, coupled with Power-Hawk products, or hawk-I, can provide remote power monitoring over IP, providing the benefits of:

- SNMP management (gets / sets / traps)
- Inbuilt web server.

Uses of intelligent power strip solutions include:

Power balancing

IT infrastructure managers can ensure that the individual phases available within the data centre are correctly balanced.

This helps prevent infrastructure failure and makes more efficient use of power delivery components such as UPS, generator, harmonic filters etc. This also enables the infrastructure to be matched to actual enterprise needs.

Power Capacity check

Power is provided to the load point using normal power delivery equipment. This usually has a finite limit before a circuit breaker cuts in to prevent overloading and dropping the load (maybe your application severs!). This can be avoided by closely monitoring power.

Billing Stream

Monitoring kW_r enables certain organisations to bill their customers (Web hotels, hosting companies etc.) for consumed power thereby adding to their income revenues.

Remote Reboot & Power Control

Locked up or unresponsive equipment can be rebooted remotely, saving on site visits. In addition, the power strips can be used for sequenced start up of devices to prevent in-rush current.



Power Strip Features

- Fabricated from 1.2mm mild steel sealed in oven with matt black powder coat paint.
- Max supported length of power strip:48U
- All power strips fitted with earthing stud
- Fixing points: 6.5mm Diam holes on steel end bracket for bolting to cabinet frame
- Optional APC style compatible fixing also available.
- 32Amp feed cable 4.0mm conductors, H07 Cable Type Terminated with 3-Pin 32A Commando 16Amp feed cable 1.5mm conductors, H05 cable Type terminated with 3-Pin 16A commando
- Input cable options:
 - 6mm armoured cable
 - low smoke, halogen free
- Supported outlet sockets:

C13	Max rating 10Amp
C19	Max rating 16Amp
Shuko	Max rating 16Amp
UK13A	Max rating 13Amp
- Rusing/indicators: Sockets may be individually fused, and /or individually indicated with Neon lamps
- Whole strip may be ordered with Circuit breaker option (32A/16A) allowing all outlets to be isolated at the power strip
- Monitoring: 16 character by 2 row LCD showing; RMS Volts, RMS Current, kVA and kWhr Power factor and Frequency reading for the power strip
- Communication: RJ45 socket: to PowerHawk, Hawk-I and Eagle-I range of products.
- Control: Remote switching using networking products maximum 24 individual switchable outlets, maximum switchable current 16A.