

Driving Integration

PowerHawk²

Local & Remote Monitoring & Control

The PowerHawk² is a cost effective monitoring and control solution enhancing the Unite Technologies family of Sinetica branded product portfolio. Largely based on the Hawk-i² concept, the PowerHawk² has specifically been designed with simplicity in mind, to provide single rack level power and environmental monitoring, using a single IP address.

Ideal for single cabinet installations, the PowerHawk² supports up to two rack mounted power strips monitoring, volts, amps, kWh, kVA, power factor and frequency with the option of supporting a maximum of 24 switched outlets per power strip. Alternatively, two CL-Amp units can be monitored. The captured data from each connected power strip is stored in SNMP MIB objects, to be available to the Network Management System using the SNMP protocol.



In addition two environmental input sensors are supported, which can be any combination of temperature, humidity or other digital sensors such as door open/close, water sensing or shock sensing.

The PowerHawk² allows up to 5 SNMP Network Management Station (NMS) addresses to access the unit. Alarm conditions will generate trap messages, which can be directed to a maximum of 10 specified management stations. SNMP alarm trap thresholds may be set on any of the input measured parameters, i.e. volts, amps, kWh, kVA, temperature, humidity and switch states.

The PowerHawk² answers the remote monitoring demands of data centre and IT managers with a focus on SNMP network integration and localised monitoring support. Combine this with the Enterprise Device Manager for maximum SNMP monitoring & control via HTTPS web interface and up to 5 user logins. The unit also includes a D9 port to link to an optional LCD display module, which allows the sensors and power strip information to be displayed at local rack level.

Features

- SNMP agent optimised for rack management.
- HTTP/HTTPS web interface for management and power strip control.
- Support for 5 Network Management Stations (NMS) to access the unit.
- Allows up to two power strips, monitoring, volts, amps, kWh, kVA, PF and Hz.
- Monitor and/or control of 24 switched outlets per power strip.
- Alternatively two CL-Amp units can be monitored.
- Allows up to two auto sense analogue input channels per cabinet, which can be any combination of temperature, humidity, analogue voltage or open/close contact probes.
- All alarm thresholds can be user defined and configured through an easy to use web interface or managed via SNMP for configuration and monitoring.
- Optional display unit for monitoring sensor and power information outside the rack environment
- Support for 5 user logins with 3 levels, Administrator, Power Strip Controller and View Only.
- LDAP login support.
- Real Time Clock (RTC) with battery backup.

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Technical Specification

Enclosure	Steel, finished in baked powder paint – matt black RAL7021 – textured finish
Unit Dimensions	Height: 27mm Depth: 80mm Length: 150mm Analogue Interfaces Temperature Range: 0°C ~ 70°C Humidity: 30%RH ~ 85%RH
Unit Connections	Power Connection: 6.3mm Power Jack, 12VDC @ 800mA Network: RJ45 with Link and Traffic Indicators Sensor Ports (2): RJ45 PDU Ports (2): RJ45
LED Indicators	Power Present: Green LED System Status: Green LED (Flashes at 1Hz to show unit alive) Alarm Indicator 1: Red LED (Under Sensor Port 1) Alarm Indicator 2: Red LED (Under Sensor Port 2) Network Link: Green LED (Embedded in RJ45 Socket)
Communications Interfaces	Network: 10/100 Base-T Ethernet PDU 1&2: RS232/RS485 Serial Port: RS232
Upgradeability	Firmware upgradeable using serial download or TFTP download
Monitoring	Optional 16 character x 2 row LCD showing: Volts, Amps, kVA, kWh, Power Factor & Frequency readings
Control	Remote switching with max 24 individual switchable outlets, max switchable current 16A
Port Communication	RJ45 socket: Supports both RS232 and RS485 serial port communication protocols inputs for connecting and monitoring the power strips