

PowerFox8

Power and Environmental Monitoring System for Data Centres & Racks

The Jakarta PowerFox8 is a powerful, intelligent power management device for monitoring and controlling power in IT environments.

PowerFox8 can monitor and log the input current, voltage and frequency as well as the current being supplied to the devices connected to each of the 8 receptacles on the rear of the unit. It is possible to remotely control the power to the connected devices either via a schedule, a timed delay or immediately.



This functionality makes the PowerFox8 a vital tool in controlling IT power costs, minimising engineering site visits to reset remote equipment, and assessing future power requirements.

In addition, the PowerFox 8 can be used to monitor critical data centre and rack environmental conditions such as temperature, humidity, water ingress, smoke and security.



The PowerFox8 is supplied with a temperature/humidity probe and door security sensor as standard and an additional optional sensor can be connected if required. Email alerts and SNMP traps will provide early-warning of an environmental or power problems.

Key Features

- Monitor and log input voltage current, voltage and frequency
- Monitor and log output current to connected devices
- Monitor and log temperature/humidity and alarm sensor events (water, smoke, etc.)
- Connect devices up to a maximum load of 15 Amps via 8 output receptacles

Front panel LED for real-time status conditions and when thresholds are exceeded.

- Activate extended devices via digital outputs
- Control the PowerFox8 power outlets remotely through console or network
- Crisis event management; Turn on/off devices or activate digital outputs based on alarm events, e.g.. Turn off devices when critical over-temperature threshold is exceeded
- Comprehensive power management and flexible configuration through web browser, NMS, Telnet, SNMP, or HyperTerminal (console)
- Configurable user security control
- User-friendly interface to display input and output status
- Detailed data-logging for statistical analysis and diagnosis
- Upgrade utility for easy firmware upgrade
- Event notification through SNMP traps or email alerts
- Daily history reports sent automatically via email
- Supports SSL V3 and SSH V1 protocol
- Administrator and multiple user password protection for double layer security

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The Power Manager

Using the PowerFox8's web interface or SNMP, it is possible to control the power on/off for any device remotely via the network.

The PowerFox8 has eight power outlets, each of which can be monitored and controlled through the console or web interfaces. It is also possible to manually use the front panel to operate the power outlets.

The PowerFox8 console port can also be used for connecting an Environmental Monitoring Device (EMD) for monitoring temperature and humidity, plus two additional environment alarms (water, smoke, security etc.).

The PowerFox8 is provided with two digital outputs which can be used for connecting status indicators or digital switches and activating automatic responses to environmental alarm events.

The Event Manager

The PowerFox8 has a number of advanced features that enable it to be used as a crisis event manager to automatically safeguard equipment in the event of a power or environmental problem.

For example, it is possible to automatically turn-off the power to critical loads if a critical over temperature threshold has been breached to prevent hardware from damage.

Also, if an input voltage problem to the PowerFox8 is detected (e.g. Thresholds can be set for conditions such as input over-voltage, under-voltage), once again, power to critical equipment can be removed automatically.

It is also possible for the PowerFox8 to automatically activate one of its digital outputs (e.g. to activate an alarm beacon or emergency fan, etc.) if necessary, when a problem is detected.

PowerFox8—Specifications

AC Input: IEC C20 Inlet, Rating 15 Amps
Voltage: 200-250 VAC 50/60Hz
AC Output: IEC C13 Outlet, Rating 10 Amps
Voltage: 200-250VAC 50/60Hz
Load: 10 Amps each Outlet **or** 15 Amps Total
Dimensions (cm): 1U Rack: 4.4(h) x 43.6 (w) x 30 (d)
Weight: 3.8kg
Operating Temperature: 0°C - 40°C
Environment: Humidity: 10



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