NETIO PowerPDU 8KS

PowerPDU 8KS is a PDU (Power Distribution Unit) with eight power outputs (8x IEC-320 C13) controlled and metered over a LAN. It fits into a 19" cabinet (1U). Each output can be switched on/off/toggle individually over the web interface, NETIO Cloud service or the mobile app. Open API enables integration into a 3rd party systems. PowerPDU 8KS supports electrical metering on each output individually (8 Channels). DI (Digital Input) can control the outputs or count S0 pulses and is available through API.

- LAN (Ethernet)
- **Input**: IEC-320 C20 110/230V (max 16A)
- **Output**: 8x IEC-320 C13 (max 10A / output)
- **Electrical metering:** 8 Channels

- **HTTPs supported,** Open API (10 protocols, M2M API)
- **Mobile app:** NETIO Mobile2
- **Service:** NETIO Cloud

Each of eight outputs can be independently controlled from the web interface (switched on / off or power-cycled). To switch the outputs on in a sequence (after a power-up or when power is restored), a power-up delay interval can be configured for each output individually.

NETIO PowerPDU 8KS fits into **19" cabinet (1U)**. A metal bracket is included.

The **NETIO Mobile2** app controls each output individually over LAN (local network) or NETIO Cloud.

NETIO Cloud is a SSL-secured service for controlling multiple devices from anywhere (Web or Cloud API).

Open API (such as HTTPs, XML/JSON over HTTP, SNMP, Modbus/TCP, MQTT-flex, Telnet and others...) enables integration with third party systems (controlling the outputs over the network).

DI (Digital Input) is reading the sate of external button (dry contact). Pushing the button can initiate action like power countdown, toggle output etc. Also pulse counter and CR (Condition & Rules) features are available.

AV drivers make it easy to connect NETIO sockets to a professional Audio/Video control systems such as Neets, Crestron, Control4, RTI, Savant and more.

Electrical values on each one from 8 outputs (A, W, kWh, PowerFactor, ...)

⚡ **IT infrastructure power management (servers, KVM, routers)**

📱 **Remote control of a device with a mobile app (LAN/Cloud)**

⏻ **Remote switching on/off or power-cycling of the electrical outputs**

🖵 **Central web interface (NETIO Cloud) for controlling multiple devices**

Controlled power-up: Outputs are switched on in a defined order with a delay

📄 **Drivers for AV systems and installations (Crestron, Control4, RTI, ELAN, SKAARHOJ…)**

🍃 **Energy savings - SOHO applications**

FEATURES

- 8x IEC-320 C13 power output
- Each output can be switched on/off individually
- Methods for controlling each output:
  - WEB browser
  - Open API (10 protocols)

- **NETIO Mobile 2**: Mobile app
- **NETIO Cloud**: Service for controlling multiple devices

- **ZCS** (Zero Current Switching): The relay is switched when the current crosses zero. It reduces relay wear and allows switching devices with a high Inrush Current.
- **Temperature sensor:** External temperature Sensor T1 on 3m cable can be connected to DI.
- FW upgrade over the Web interface
- **The Scheduler function:** Time based switching

- **Open API (protocols)**
  - JSON over HTTP(s)
  - Modbus/TCP
  - MQTT-flex
  - Telnet
  - SNMP (SNMP v1/v3)
  - XML over HTTP(s)
  - HTTP(s) push (JSON / XML)
  - URL API – HTTP get

- Supported protocols: HTTP(s), DNS, NTP, uPNP, DHCP, ICMP, TCP/IP

SUPPORT FOR USERS AND DEVELOPERS

- NETIO Wiki – library for developers
- ANxx (Application Notes) with examples
- NETIO Drivers – for AV control systems

SPECIFICATIONS

POWER

- Power input: IEC-320 C20 (110/230V AC), max 16A
- Power output: 8x IEC-320 C13, max 10A each
- Each output: On/Off (relay SPST-NO)
- **ZCS** (Zero Currents Switching): Yes
- Internal consumption: 1-3 W
- **PowerUp State**: Default output state (On/Off/Last state)
- **PowerUp Delay**: Delay before switching output on

INTERFACES

- LAN 10/100 Mbps (RJ-45)
- 1x DI (Digital Input) with 12V DC (max 50mA)
- LED indicators in the RJ45 jack & M2M LED

ELECTRICAL MEASUREMENTS (8 individual outputs)

- Current [A]
- Consumption [Wh]
- Power [W]
- TPF (True Power Factor)
- Phase [°]
- Frequency [Hz]
- Voltage [V]
- Reverse Energy [Wh]
- Accuracy: <1%

PACKAGE CONTENTS

- NETIO PowerPDU 8KS
- QIG (printed Quick Installation Guide)
- Metal brackets to 19" cabinet (1U) + screw set
- Power cord according to the order code

DIMENSIONS / WEIGHT

- PowerPDU 8KS: 439 x 41 x 90   mm / 1.3 kg
- Package: 514 x 73 x 204 mm / 1.6 - 1.9 kg

OPERATING CONDITIONS

- Temperature -20 °C to 65 °C /5A (-20 to 50 °C /16A)
- For indoor use only (IP30)

NORMS: EN 62368, EN 60950, EN61000, EN50581
UL 62368-1, CAN/CSA C22.2 No. 62368-1

NETIO PowerPDU 8KS

LAN PDU with 8 outputs IEC-320 C13. A metal bracket for mounting in a 19" cabinet (1U) is included. The power cord in not included.

NETIO PowerPDU 8KS EU

LAN PDU with 8 outputs IEC-320 C13. A metal bracket for mounting in a 19" cabinet (1U) and EU (Europlug) power cord are both included.