NETIO PowerPDU 8QS

PowerPDU 8QS 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 individually over the web interface, NETIO Cloud service or the mobile app. Open API enables integration into a third party systems. Electrical metering is performed on two channels - whole PDU (at the input) and Output1 separately. 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:** Whole PDU + Output1

- 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 8QS 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 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) can be for example connected to a button or used as a S0 pulse counter for reading energy consumption from an external electricity meter. Its state is available through API.

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 are measured with high accuracy for a whole PDU (at the input) and for Output1.

⚡ **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 (Neets, Crestron, Control4, RTI, Savant…)

🍃 **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
  - Mobile App (NETIO Mobile2)
  - Open API (10 protocols)
  - NETIO Cloud

- NETIO Mobile2: Mobile app
- NETIO Cloud: Service for controlling multiple devices

- **ZVS** (Zero Voltage Switching): The relay is switched when the voltage crosses zero. It reduces relay wear and allows switching devices with a high Inrush Current.
- **IOC** (Independent Output Control) – output state is not affected by a firmware upgrade.
- FW upgrade over the Web interface
- **The Scheduler function**: Time based switching

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

- Supported protocols: HTTP, 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, IOC)
- **ZVS** (Zero Voltage 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 (Whole PDU + Output1)

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

PACKAGE CONTENTS

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

DIMENSIONS / WEIGHT

- PowerPDU 8QS: 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 50 °C
- For indoor use only (IP30)

NORMS: EN 62368, EN 60950, EN61000, EN50581

NETIO PowerPDU 8QS	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 8QS 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.