NETIO PowerPDU 4PS

PowerPDU 4PS is a smart PDU (Power Distribution Unit) with four power outlets (4x IEC-320 C13). Each output can be switched off and on over the web, the NETIO cloud service, or with a mobile app. Open API enables integration into 3rd systems using a wide range of protocols (http JSON, Modbus/TCP, SNMP, MQTT-flex, Telnet, ...).

- LAN (Ethernet)
- 4x IEC-320 C13 / 10A output
- **ZVS** – Zero Voltage Switching

- Open API (10 protocols, M2M API)
- Can be controlled with a mobile app
- Supports NETIO Cloud

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

NETIO PowerPDU 4PS can be mounted in 19" rack cabinets – horizontally, vertically, or as a 1U device.

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

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

Open API allows controlling the outputs over the network using various protocols (http XML/JSON, Modbus/TCP, MQTT, SNMP, Telnet and more...).

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

The Scheduler function (calendar) - time based switching.

⚡ **Controlling power to IT infrastructure (servers, KVM, routers)**

📱 **Remote switching off/on or power cycling**

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

▭ **Central web interface for multiple products (NETIO Cloud)**

⊡➔⊡ **Controlled power-up - outputs are switched on in a defined sequence**

▤ **Drivers for AV media/installations (Neets, Crestron, Control4, …)**

FEATURES

- 4x IEC-320 C13 power output
- Each outpt can be switched on/off individually
- Methods for controlling each output:
  - WEB browser
  - Mobile App (NETIO Mobile 2)
  - Open API (10 protocols)
  - NETIO Cloud

- NETIO Mobile2: Mobile app
- NETIO Cloud: Paid service

- **ZVS** (Zero Voltage Switching): The relay is switched when the voltage crosses zero. This reduces relay wear and allows switching devices with a high inrush current

- **IOC** (Independent Output Control) — output state is unaffected by firmware update

- FW upgrade over the Web interface

- **The Scheduler function** - time based switching

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

- 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 C14 (110/230V AC) 10A
- Power output: 4x IEC-320 C13/10A
- Each output: On/Off (SPST-NO relay, 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 the output on

INTERFACES

- LAN 10/100 Mbps (RJ45)
- LED indicators in the RJ45 jack
- 4x LED indicator (output state)

ELECTRICAL MEASUREMENTS

- Supports electrical measurements: No

PACKAGE CONTENTS

- NETIO PowerPDU 4PS
- QIG (printed Quick Installation Guide)
- Power cable according to the ordering code

DIMENSIONS / WEIGHT

- PowerPDU 4PS: 220 x 40 x 120 mm / 0.8 kg
- Package: 255 x 73 x 204 mm / 1.15 kg

OPERATING CONDITIONS

- Temperature: -20 °C to +65 °C
- For indoor use only (IP30)

STANDARDS: 1999/5/EC, EN 55011, ed.3:2010, EN 61326-1, ed.2:2013, EN 61010-1, ed.2:2011, EN 50581: 2012

NETIO PowerPDU 4PS	LAN PDU with 4 IEC-320 C13 controlled outputs, SNMP, MQTT-flex, NETIO Cloud and more.
NETIO PowerPDU 4PS EU	Package with a PowerPDU 4PS and an EU (Europlug) power cable.
NETIO RM1 4C	Metal bracket to install one PowerPDU 4C or 4PS device into a 1U space in a19" rack frame.
NETIO RM2 2x4C	Metal bracket to install two PowerPDU 4C or 4PS device into a 1U space in a19" rack frame.
NETIO RM3 4C vertical	Metal bracket to fasten one PowerPDU or 4PS device to a vertical bar in a rack frame.
NETIO RM4 4C universal	Metal bracket for universal installation of one PowerPDU or 4PS device in a rack frame.