

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
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- 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 output can be switched on/off individually
 - Methods for controlling each output:
 - WEB browser
 - Mobile App (NETIO Mobile 2)
 - Open API (7 protocols)
 - NETIO Cloud
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- NETIO Mobile2: Mobile app
 - NETIO Cloud: Paid service
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- **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
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- **Open API (protocols)**
 - JSON over http
 - Modbus/TCP
 - MQTT-flex
 - Telnet
 - SNMP (SNMP v1 /v3)
 - XML over http
 - URL API – http get
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- Supported protocols: http, DNS, NTP, uPNP, DHCP, SNMP, MQTT, ICMP, Modbus/TCP

SUPPORT FOR USERS AND DEVELOPERS

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

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 a 19" rack frame.

NETIO RM2 2x4C

Metal bracket to install two PowerPDU 4C or 4PS device into a 1U space in a 19" 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.

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: 325 x 74 x 224 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