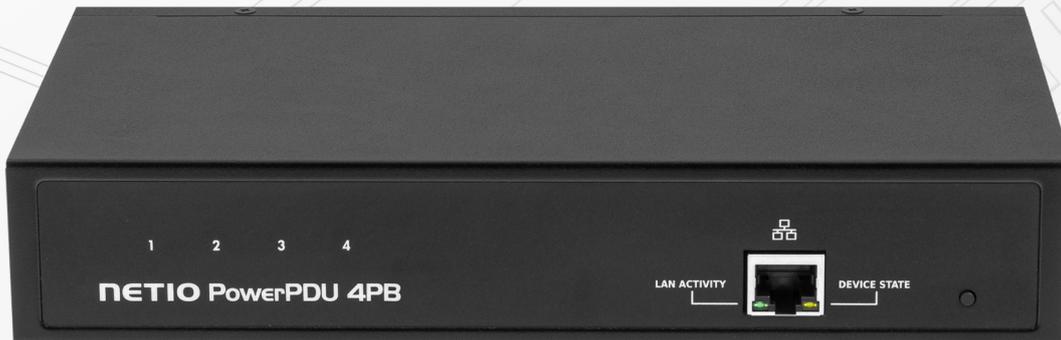# PowerPDU 4PB

NETIO

PowerPDU 4PB is a PDU (Power Distribution Unit) with 4 power outputs (4x NEMA 5-15R) controlled over a LAN. Each output can be switched on/off/toggle individually over the web interface, **NETIO Cloud** service or the mobile app. Open API enables integration with 3rd party systems. using a wide range of protocols (http JSON, Modbus/TCP, SNMP, MQTT-flex, Telnet, ...).

- LAN (Ethernet)
- **Input:** IEC-320 C14 100-125V
- **Output:** 4x NEMA 5-15R sockets (max 15A, UL rating 12A)

- **HTTPs supported,** Open API (10 protocols, M2M API)
- **Mobile app:** NETIO Mobile 2
- **Service:** NETIO Cloud

Each output can be switched On/Off remotely. Outputs can be switched ON in a sequence after a power-up or restoration by configuring a custom power-up delay interval for each output individually.

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

The **NETIO Mobile 2** 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).

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

The Scheduler function (calendar) - time based switching.

UL Certification

TAA Compliance

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 (Utelogy, Crestron, Control4, RTI, ELAN, SKAARHOJ…)

Energy savings - SOHO applications

FEATURES

- 4x NEMA 5-15R power output
- Each output can be switched on/off individually
- Methods for controlling each output:
  - WEB browser
  - Mobile app: NETIO Mobile 2 (iOS and Android)
  - NETIO Cloud
  - Scheduler
  - Watchdog (Ping)
  - Rules & Conditions (based on DI / NETIO T1 Sensor)
  - Open API (10 protocols)

- **NETIO Mobile 2**: 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.

- **Ping Watchdog**: "Heartbeat" detection function.
- **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)
  - URL API – http get
  - HTTP Push JSON / XML

- 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 C14 (100-125V AC)
- Power output: 4x NEMA 5-15R, max 15A each (UL rating 12A)
- Each output: On/Off (relay SPST-NO)
- **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)
- LED indicators in the RJ45 jack & M2M LED

ELECTRICAL MEASUREMENTS (no)

- Does not support electrical measurement

PACKAGE CONTENTS

- NETIO PowerPDU 4PB
- QIG (printed Quick Installation Guide)
- Power cord NEMA 5-15P to C13 included

DIMENSIONS / WEIGHT

- PowerPDU 4PB: 8.66 x 1.57 x 4.72 mm / 1.65 lb
  (220 x 40 x 120 mm / 750 g)
- Package: 10.04 x 2.87 x 8.03 mm / 2.58 lb
  (255 x 73 x 204 mm / 1.17 kg)

OPERATING CONDITIONS

- Temperature -4 °F to 149 °F / 5A (-4 °F to 122 °F / 15A)
  (-20 °C to 65 °C /5A (-20 to 50 °C /15A))
- For indoor use only (IP30)

NORMS: UL 62368-1, CAN/CSA C22.2 No. 62368-1, FCC 47 CFR - Part 15 , ICES-003

NETIO PowerPDU	4PB	LAN PDU with 4 outputs NEMA 5-15R, switching. The power cord NEMA 5-15P to C13 is included.
NETIO PowerPDU	4PS nc	LAN PDU with 4 outputs IEC-320 C13, switching. The power cord is not included.
NETIO PowerPDU	4PS US	LAN PDU with 4 outputs IEC-320 C13, switching. The power cord NEMA 5-15P to C13 is included.
NETIO PowerPDU	4PV	LAN PDU with 4 outputs powerCON, switching. The power cord is not included.