

# PowerPDU 8QV

# NETIO

PowerPDU 8QV is a PDU (Power Distribution Unit) with 8 power outputs (8x powerCON) 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 with 3rd party systems. Electrical metering is performed on two channels - whole PDU (at the input) and Output1 separately. DI (Digital Input) is compatible with any dry contact (relay output) or NETIO temperature sensor.

- LAN (Ethernet)
- **Input:** powerCON 100-240V
- **Output:** 8x powerCON sockets
- **Electrical metering:** Whole PDU + Output 1
- **HTTPs supported,** Open API (10 protocols, M2M API)
- **Mobile app:** NETIO Mobile 2
- **Service:** NETIO Cloud



Each output can be switched On/Off remotely or based on DI, temperature sensor value etc.. 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 8QV fits into **19" cabinet (1U)**. A metal bracket is included.

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).

**DI (Digital Input) / Sensor** is input for external NETIO T1 Sensor temperature probe / button (dry contact). Reaching temperature value / pushing the button can initiate action like power-off on defined output, toggle output etc. It's related to **CRxx (Condition & Rules)** features.

**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. (A, W, kWh, PowerFactor, ...)



UL Certification



TAA Compliant



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



Central web interface for controlling multiple devices



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



Drivers for AV systems and installations (Uteley, Crestron, Control4, RTI, ELAN, SKAARHOJ...)



Energy savings - SOHO applications

## FEATURES

- 8x powerCON 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 (Power & 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.
- **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)
  - 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: powerCON (100-240V AC), 16A
- Power output: 8x powerCON, max 16A each
- 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)
- 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 8QV
- QIG (printed Quick Installation Guide)
- Metal brackets to 19" cabinet (1U) + screw set
- Power cord is not included

### DIMENSIONS / WEIGHT

- PowerPDU 8QV: 17.28 x 1.61 x 3.54 in / 2.87 lb  
(439 x 41 x 90 mm / 1.3 kg)
- Package: 20.24 x 2.87 x 8.03 in / 3.53 lb  
(514 x 73 x 204 mm / 1.6 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

<b>NETIO PowerPDU</b>	<b>8QB</b>	LAN PDU with 8 outputs NEMA 5-15R. A metal bracket for mounting in a 19" cabinet (1U) is included. The power cord NEMA 5-15P to C19 included.
<b>NETIO PowerPDU</b>	<b>8QS nc</b>	LAN PDU with 8 outputs IEC-320 C13. A metal bracket for mounting in a 19" cabinet (1U) is included. The power cord is not included.
<b>NETIO PowerPDU</b>	<b>8QS US</b>	LAN PDU with 8 outputs IEC-320 C13. A metal bracket for mounting in a 19" cabinet (1U) is included. The power cord NEMA 5-15P to C19 included.
<b>NETIO PowerPDU</b>	<b>8QV</b>	LAN PDU with 8 outputs powerCON. A metal bracket for mounting in a 19" cabinet (1U) is included. The power cord is not included.