

PowerPDU 8KF

NETIO

PowerPDU 8KF is a PDU (Power Distribution Unit) with eight power outputs (8x CEE 7/4) 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 into a 3rd party systems. PowerPDU 8KF supports electrical metering on each output individually (8 Channels). DI (Digital Input) can control the outputs or count 50 pulses and is available through API.

- LAN (Ethernet)
- Input: CEE 7/7 100/240V
- Output: 8x CEE 7/4
- Electrical metering: 8 Channels
- HTTPs supported, Open API (10 protocols, M2M API)
- Mobile app: NETIO Mobile2
- 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 8KF 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 on each one from 8 outputs (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 (Utology, Crestron, Control4, RTI, ELAN, SKAARHOJ...)



Energy savings - SOHO applications

FEATURES

- 8x CEE 7/4 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
- **ZCS (Zero Current Switching):** The relay is switched when the current 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: CEE 7/7 (100-240V AC), 16A
- Power output: 8x CEE 7/4, max 16A per output
- Each output: On/Off (relay SPST-NO)
- **ZCS (Zero Currents 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 (8 individual outputs)

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

PACKAGE CONTENTS

- NETIO PowerPDU 8KF
- QIG (printed Quick Installation Guide)
- Metal brackets to 19" cabinet (1U) + screw set
- Power cord with CEE 7/4 included (attached to the product)

DIMENSIONS / WEIGHT

- PowerPDU 8KF: 490 x 44 x 86 mm / 1.3 kg
- Package: 514 x 73 x 204 mm / 1.95 kg

OPERATING CONDITIONS

- Temperature -20 °C to 65 °C / 5A (-20 to 50 °C / 16A)
- 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 8KF

NETIO PowerPDU 8KS nc

NETIO PowerPDU 8KS EU

NETIO PowerPDU 8KV

LAN PDU with 8 outputs CEE 7/4. A metal bracket for mounting in a 19" cabinet (1U) is included. The power cord with CEE 7/4 is attached to the product.

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.

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