PowerCable 2KB

NETIO

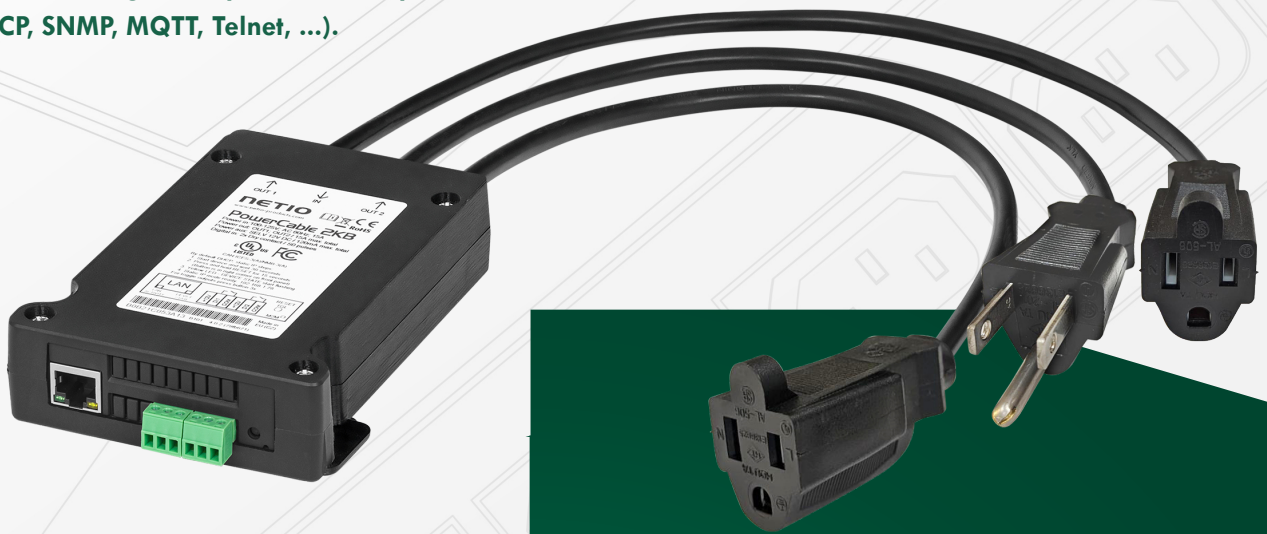**PowerCable 2KB is flat housing dual power output PDU for remote power metering & power restarting.**

Device connectivity is LAN or WiFi. PDU has 2 metered & switched power outputs (NEMA 5-15R). External switch or detector can be connected to 2x DI (Digital Input).

Open API enables integration into 3rd party systems using a wide range of protocols (http JSON, Modbus/TCP, SNMP, MQTT, Telnet, ...).

- LAN or WiFi
- 2x DI (Digital Input) (S0 Counters)
- 2x NEMA 5-15R

- Open API (10 protocols, M2M API)
- Service: NETIO Cloud
- Mobile application: NETIO Mobile 2

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.

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 Utelogy, Crestron, Control4, RTI, Savant and more.

Electrical values on each one from 4 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 (Utelogy, Crestron, Control4, RTI, ELAN, SKAARHOJ…)

Energy savings - SOHO applications

FEATURES

- 2x 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 (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: NEMA 5-15P (100-125V AC)
- Power output: 2x NEMA 5-15R, max 15A each (UL rating 12A)
- 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)
- WiFi 2,4 GHz (internal antenna)
- 2x DI (Digital Input) with 12V DC (max 50mA)

ELECTRICAL MEASUREMENTS (2 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 PowerCable 2KB
- QIG (printed Quick Installation Guide)

DIMENSIONS / WEIGHT
- PowerCable 2KB:
  - Terminal Block: 4.02 x 1.26 x 5.87 in / 0.43 lb (102 x 32 x 149 mm / 197 g)
  - Cables: 3x 11.81 in (30 cm)
- Package: 10.04 x 2.87 x 8.03 in / 1.31 lb (255 x 73 x 204 mm / 595 g)

OPERATING CONDITIONS
- Temperature
  - -4 °F to +131 °F (-20 °C to +55 °C)
  - For indoor use only (IP30)

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

NETIO PowerCable	2KB	FLAT PDU with LAN & WiFi conection with 2 outputs NEMA 5-15R, switching and metering. 3x 11.81 in cables included.
NETIO PowerCable	2KZ	FLAT PDU with LAN & WiFi conection, switching and metering. Terminal block, no cables included.
NETIO PowerCable	2PB	FLAT PDU with LAN & WiFi conection with 2 outputs NEMA 5-15R, switching. 3x 11.81 in cables included.
NETIO PowerCable	2PZ	FLAT PDU with LAN & WiFi conection, switching. Terminal block, no cables included.