NETIO

PRODUCTS OVERVIEW 2025

NETIO
Networked power sockets

ABOUT NETIO

NETIO PRODUCTS US INC. is a new **branch of NETIO products a.s.** with a dedicated focus on **the North American market.** We offer the same reliable and innovative power distribution units (PDUs) as our European parent company, renowned for its engineering excellence, but with the added benefit of **products specifically tailored to the needs of North American customers.** This includes understanding the unique power requirements, safety standards, and industry-specific demands of the region, ensuring seamless integration and optimal performance for businesses across various sectors.

NETIO Products a.s., a Czech company, produces **remotely controlled networked power sockets (PDUs)** for various applications. These PDUs can function as **standalone devices or integrate** with **NETIO Cloud** to provide remote restart solutions. They also offer integration options with **third-party systems** and **local automation features.** The PDUs can connect to **LAN (WiFi)** for output **measurement and control,** and users can manage them via **LAN, Cloud, Mobile App, Scheduler, WatchDog, or AV drivers.**

WHO ARE OUR PRODUCTS FOR

Our PDUs are **mainly for businesses (B2B). System integrators** use our products in **various industrial projects.** You can find our products in demonstration booths, shops, showrooms, digital signage screens, hospitals, and many other **M2M and IoT applications.**

We offer **PDUs in various forms for different uses,** such as:
- **PowerPDUs** for **datacenter racks**
- **PowerDIN** versions for **smart building** and **electromobility** applications
- **PowerCables** for **compact solutions**

WHAT MAKES NETIO UNIQUE

TAA - Trade Agreements Act
We are fully TAA compliant, ensuring NETIO products meet requirements and can be implemented in government projects.
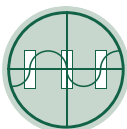
Compability
Multiple control and integration options through 3rd party control drivers, Open API and industry protocols, remote cloud access and mobile app.

Simplicity
Easy to install, easy to use, easy to service, easy to maintain.

Longetivity
Long product lifetime using Zero Current or Zero Voltage Switching.

Remote Web Control
NETIO devices have user-friendly web interfaces for easy, local configuration and control.

HISTORY OF NETIO

2008 - 2014

Koukaam company starts NETIO line

2016
New Starts

NETIO products a.s. is established

2017
First Steps

The first product with LUA language, NETIO 4C, is launched

2018
New Inventions

Zero Current/Voltage Switching is implemented to protect the relays from damage, extending the product lifespan by 100 times

2019
Opening Up

Open API is incorporated into NETIO PDUs facilitating integration

2020
Cloud 9

First version of the NETIO Cloud goes up, NETIO expands more into the AV market

2021
Changes

Jan Rehak hands over his role of CEO to Bretislav Bakala and stepps back into the role of consultant and founder

2022
First Time at ISE

With AV integrations ready, NETIO team makes a big step and for the first time they exhibit their work at ISE 2022

2023
Meet the new team

Which results in many new colleagues joining bringing in fresh new energy and perspective.
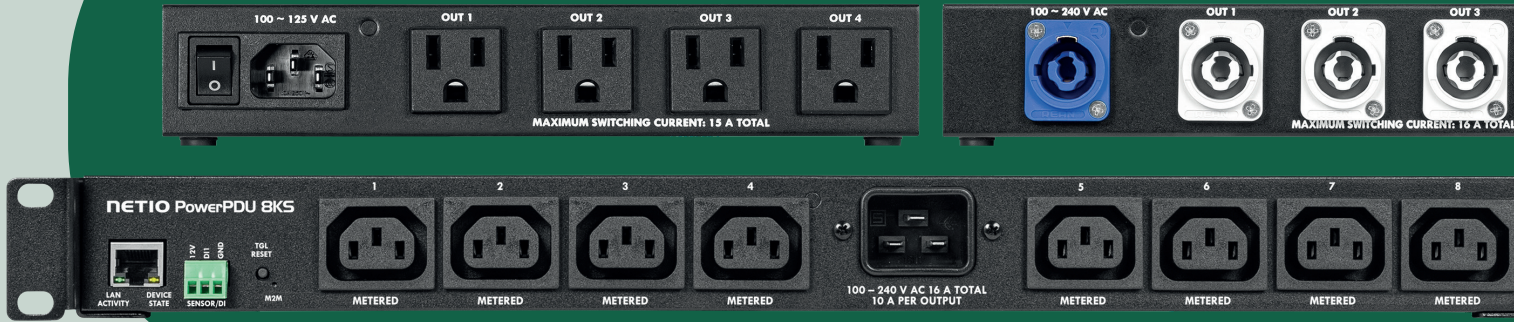
2024
Hello America

After a successful appearance at InfoComm 2024, NETIO has established a new branch, NETIO PRODUCTS US INC., dedicated to serving the North American market.
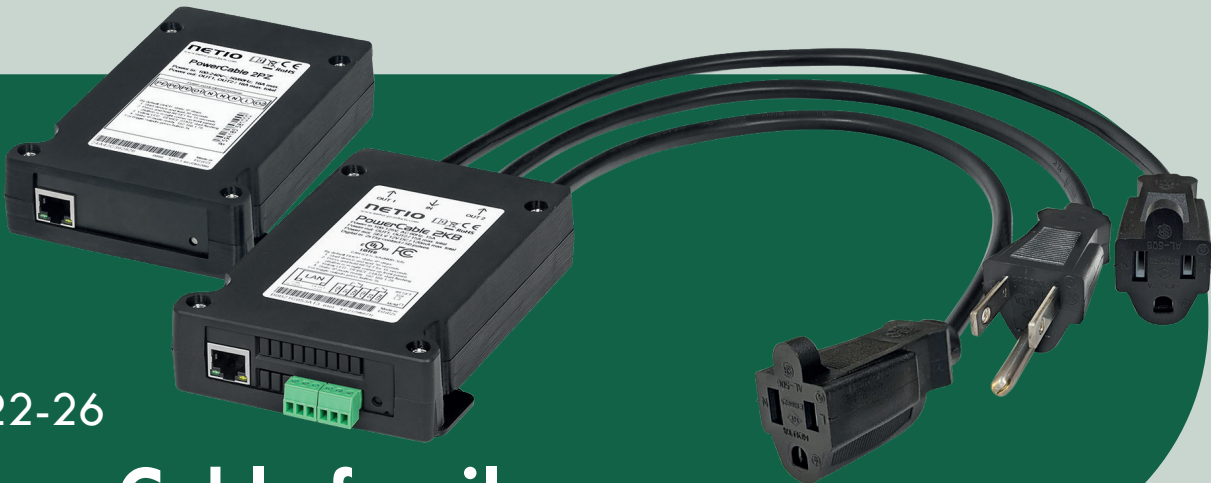
TABLE OF CONTENTS

PRODUCT FAMILIES

PowerPDU family   pg 6-21

pg 22-26
PowerCable family

PowerDIN family

pg 27

LAN	WiFi
WEB	NETIO CLOUD
MOBILE APPLICATION	19´´ Rack
DI	SENSOR T1
SERIAL RS-232	POWER METERING
ZCS Zero Current	ZVS Zero Voltage
PowerUp state	Condition & Rules
PING WATCHDOG	Power WATCHDOG
SCHEDULER	HTTPs
JSON HTTP(s)	Modbus/TCP
UDP	SNMP v3
SNMP v1/v2	
MQTT-flex	MQTT
Telnet	XML HTTP(s)
Push JSON	URL API HTTP(s)
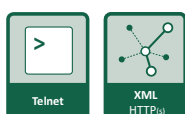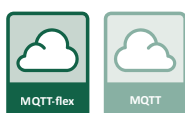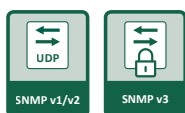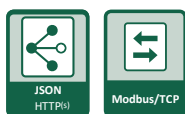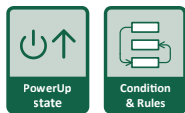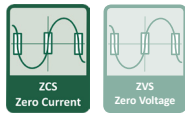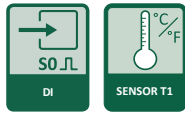
PowerPDU 4KS

PowerPDU 4KS is a metered PDU with four IEC-320 C13 power outlets, LAN port and 1x DI (Digital Input). PowerPDU 4KS measures electrical parameters (A, kWh, TPF, W, V, Hz) on each power outlet individually. Each output is controllable via device web, NETIO Cloud service (not mandatory) or NETIO Mobile 2 App. Integrations are simple thanks to its Open API and ready to use AV drivers (Crestron, Extron, Savant, RTI, Utelogy, ELAN and more).
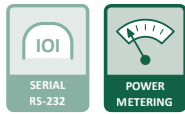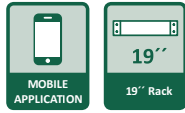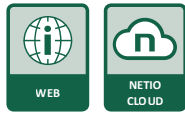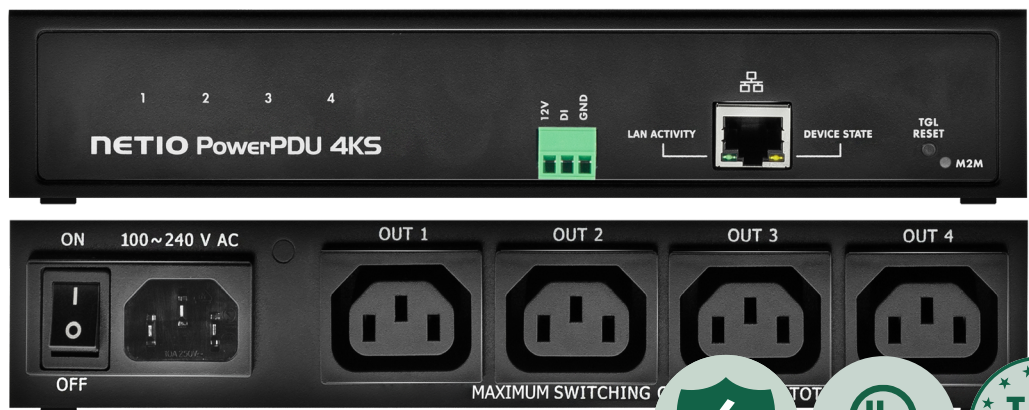
Power Metering & Switching

6 Years Warranty

c UL us LISTED

TAA Compliant

SPECIFICATIONS

- Switching & metering each power output independently
- **4x power metering (A, W, kWh, TPF, V, Hz)**
- Power input: IEC-320 C14 (110/230 V AC)
- Power output: 4x IEC-320 C13 / max 10A per output
- 1x RJ45 Ethernet
- 1x DI - Digital Input
- ZCS (Zero Current Switching)

FEATURES

- **Thermostat feature**
  (Ext. temperature sensor support)
- Ping + Power WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- **NETIO Cloud**
- NETIO Mobile 2
- 1x DI (Digital Input)

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s)
  & more

PowerPDU 4KB

PowerPDU 4KB is a metered PDU with four NEMA 5-15R power outlets, LAN port and 1x DI (Digital Input). PowerPDU 4KB measures electrical parameters (A, kWh, TPF, W, V, Hz) on each power outlet individually. Each output is controllable via device web, NETIO Cloud service (not mandatory) or NETIO Mobile 2 App. Integrations are simple thanks to its Open API and ready to use AV drivers (Crestron, Extron, Savant, RTI, Utelogy, ELAN and more).

Power Switching & Metering

SPECIFICATIONS

- Switching & metering each power output independently
- **4x power metering (A, W, kWh, TPF, V, Hz)**
- Power input: IEC-320 C14 (100/125 V AC)
- Power output: 4x NEMA 5-15R / max 15A per output (UL rating 12A)
- 1x RJ45 Ethernet
- 1x DI - Digital Input
- ZCS (Zero Current Switching)

FEATURES

- **Thermostat feature (Ext. temperature sensor support)**
- Ping + Power WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- **NETIO Cloud**
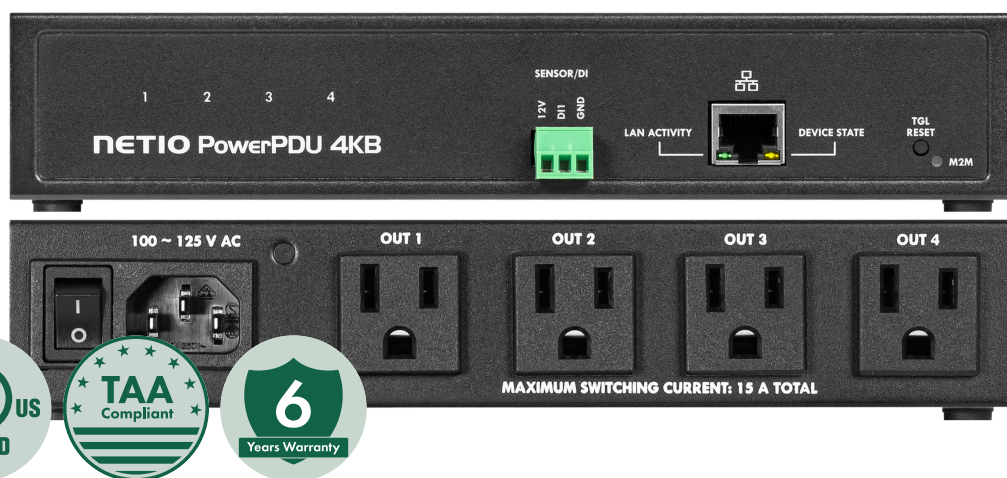- NETIO Mobile 2
- 1x DI (Digital Input)

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s) & more

Icons:
LAN | WiFi
WEB | NETIO CLOUD
MOBILE APPLICATION | 19´´ Rack
DI | SENSOR T1
SERIAL RS-232 | POWER METERING
ZCS Zero Current | ZVS Zero Voltage
PowerUp state | Condition & Rules
PING WATCHDOG | Power WATCHDOG
SCHEDULER | HTTPs
JSON HTTP(s) | Modbus/TCP
SNMP v1/v2 | SNMP v3
MQTT-flex | MQTT
Telnet | XML HTTP(s)
Push JSON | URL API HTTP(s)

PowerPDU 4Kx Comparison
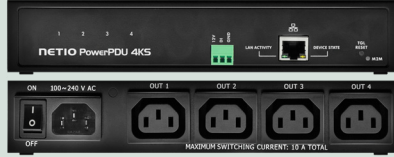
	PowerPDU 4KS	**PowerPDU 4KB**
Connection	LAN	LAN
Power Input (Voltage)	IEC-320 C14 (110/230 V AC)	IEC-320 C14 (100/125 V AC)
Number of Outputs (Ampers per Output)	4x IEC-320 C13 (max 10A each)	4x NEMA 5-15R (max 15A each / UL rating 12A)
Metered Channels	4	4
Smart Switching	Zero Current Switching	Zero Current Switching
DI (Digital Input)	●	●
Web Interface	●	●
HTTPs	●	●
NETIO Cloud	●	●
NETIO Mobile 2	iOS + Android	iOS + Android
WatchDog	Ping + Power WatchDog	Ping + Power WatchDog
Scheduler	●	●
Scripting	Condition & Rules	Condition & Rules
Open API	10 protocols	10 protocols
UL Certification	●	●

11 Ways To Control NETIO PDUs:

1) From the device's web (can be different from Admin's username/password).

2) Using the NETIO Mobile 2 on LAN.

3) Using NETIO Cloud service from anywhere.

4) Using the NETIO Mobile 2 over NETIO Cloud account.

5) Using AV drivers you can control Outputs from many Audio Video SW (Crestron, Control4, Qsys, Atlona, Utelogy…).

6) Using built in Week-Scheduler function you can define several On/Off intervals on each output. It requires time NTP synchronization.

7) With built in PING WatchDog function, you can restart (by power output) any LAN device when not responding to PINGs from NETIO PDU (Device frozen / sleeping / in IDLE mode).

8) With built in Power consumption WatchDog function, you can restart (by power output) any device powered from metered NETIO PDU output. Device frozen / sleeping / IDLE mode is detected by power consumption drop.

9) Each DI input on the NETIO device can be assigned by Rules to Switch On/Off/Toggle any power output(s) on the same device.

10) There are several Open APIs (protocols) to control outputs/meter power consumption in M2M applications: JSON over HTTP, XML, SNMP, Modbus/TCP, MQTT, URL-API (http get), and others.

11) Using FLIC 2 button (BT + LAN gw) you can control up to 3 outputs (group of outputs) from inside building.

LAN	**WiFi**
WEB	**NETIO CLOUD**
MOBILE APPLICATION	**19´´ Rack**
DI	**SENSOR T1**
SERIAL RS-232	**POWER METERING**
ZCS Zero Current	**ZVS Zero Voltage**
PowerUp state	**Condition & Rules**
PING WATCHDOG	**Power WATCHDOG**
SCHEDULER	**HTTPs**
JSON HTTP(s)	**Modbus/TCP**
SNMP v1/v2	**SNMP v3**
MQTT-flex	**MQTT**
Telnet	**XML HTTP(s)**
Push JSON	**URL API HTTP(s)**
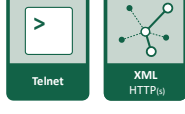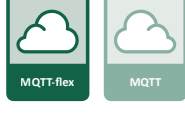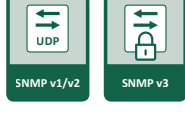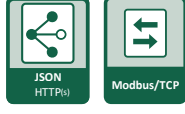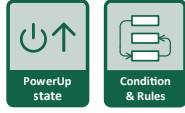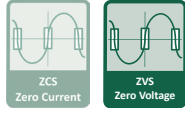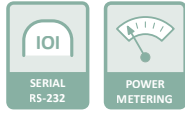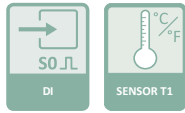
PowerPDU 4PS

PowerPDU 4PS is a managed PDU (Power Distribution Unit) with four power outlets (4x IEC 320 C13). Each output can be switched on/off individually. NETIO PowerPDU 4PS can be mounted in rack cabinets – horizontally, vertically, or as a 1U device. Integration into third-party systems is possible by using various protocols (JSON over HTTP(s), Modbus/TCP, NMP, MQTT-flex, Telnet, …). With the NETIO Cloud service, the outputs can be controlled from anywhere. Drivers for AV systems are available (Crestron, Utelogy, ELAN and many more).

Power Switching

SPECIFICATIONS

- Switching each power output independently
- Power input: IEC-320 C14 (110/230 V AC)
- Power output: 4x IEC-320 C13 / max 10A per output
- 1x RJ45 Ethernet
- ZVS (Zero Voltage Switching)

FEATURES

- Ping WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- **NETIO Cloud**
- NETIO Mobile 2

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
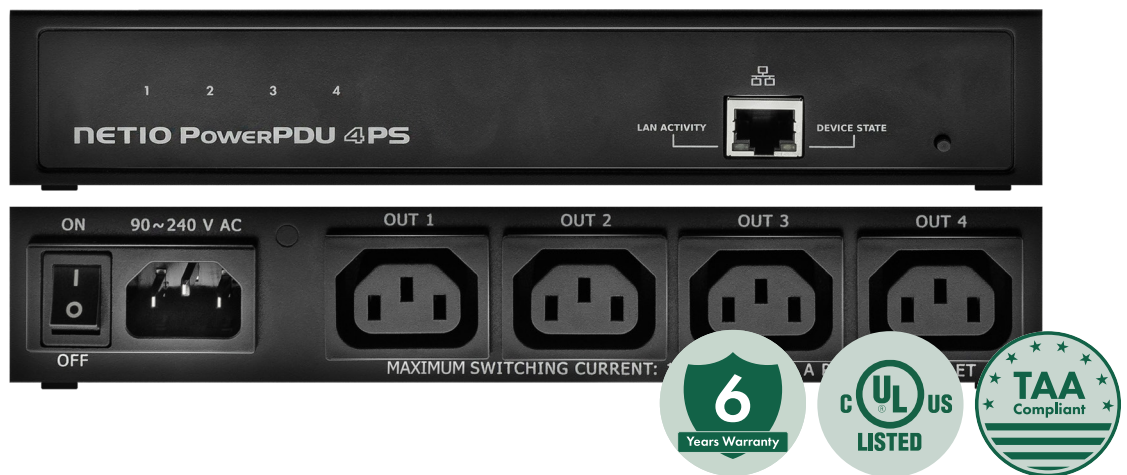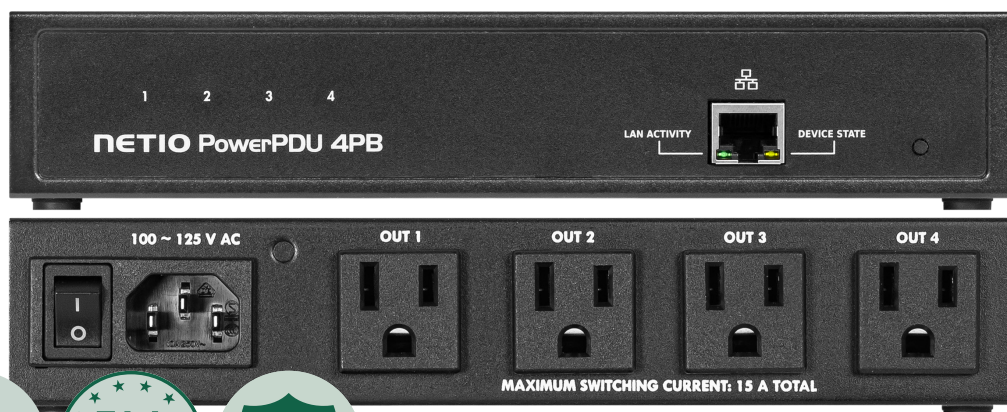- JSON over HTTP(s)
  & more

PowerPDU 4PB

PowerPDU 4PB is a managed PDU (Power Distribution Unit) with four power outlets (4x NEMA 5-15R). Each output can be switched on/off individually. NETIO PowerPDU 4PB can be mounted in rack cabinets – horizontally, vertically, or as a 1U device. Integration into third-party systems is possible by using various protocols (JSON over HTTP(s), Modbus/TCP, NMP, MQTT-flex, Telnet, …). With the NETIO Cloud service, the outputs can be controlled from anywhere. Drivers for AV systems are available (Crestron, Utelogy, ELAN and many more).

Power Switching

LAN	WiFi
WEB	NETIO CLOUD
MOBILE APPLICATION	19˝ Rack
DI	SENSOR T1
SERIAL RS-232	POWER METERING
ZCS Zero Current	ZVS Zero Voltage
PowerUp state	Condition & Rules
PING WATCHDOG	Power WATCHDOG
SCHEDULER	HTTPs
JSON HTTP(s)	Modbus/TCP
SNMP v1/v2	SNMP v3
MQTT-flex	MQTT
Telnet	XML HTTP(s)
Push JSON	URL API HTTP(s)

SPECIFICATIONS

- Switching each power output independently
- Power input: IEC-320 C14 (100/125 V AC)
- Power output: 4x NEMA 5-15R / max 15A per output (UL rating 12A)
- 1x RJ45 Ethernet
- ZVS (Zero Voltage Switching)

FEATURES

- Ping WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- **NETIO Cloud**
- NETIO Mobile 2

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s)
  & more

LAN

WiFi

WEB

NETIO CLOUD

MOBILE APPLICATION

19˝ Rack

DI

SENSOR T1

SERIAL RS-232

POWER METERING

ZCS Zero Current

ZVS Zero Voltage

PowerUp state

Condition & Rules

PING WATCHDOG

Power WATCHDOG

SCHEDULER

HTTPs

JSON HTTP(s)

Modbus/TCP

SNMP v1/v2

SNMP v3

MQTT-flex

MQTT

Telnet

XML HTTP(s)

Push JSON

URL API HTTP(s)

PowerPDU 4PV

PowerPDU 4PV is a managed PDU (Power Distribution Unit) with four power outlets (4x powerCON). Each output can be switched on/off individually. NETIO PowerPDU 4PV can be mounted in rack cabinets – horizontally, vertically, or as a 1U device. Integration into third-party systems is possible by using various protocols (JSON over HTTP(s), Modbus/TCP, NMP, MQTT-flex, Telnet, …). With the NETIO Cloud service, the outputs can be controlled from anywhere. Drivers for AV systems are available (Crestron, Utelogy, ELAN and many more).

Power Switching

6 Years Warranty

c UL us LISTED

TAA Compliant

SPECIFICATIONS

- Switching each power output independently
- Power input: powerCON (100/240 V AC)
- Power output: 4x powerCON / max 16A per output
- 1x RJ45 Ethernet
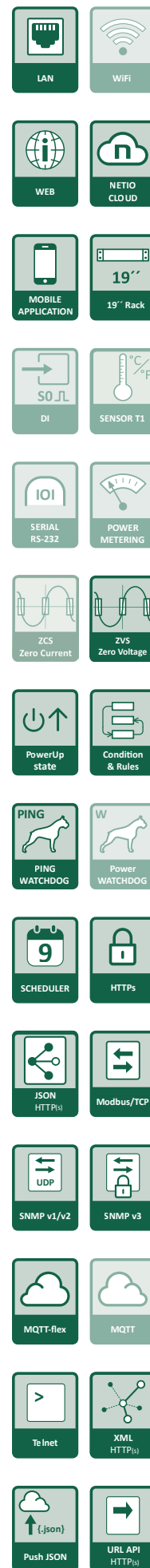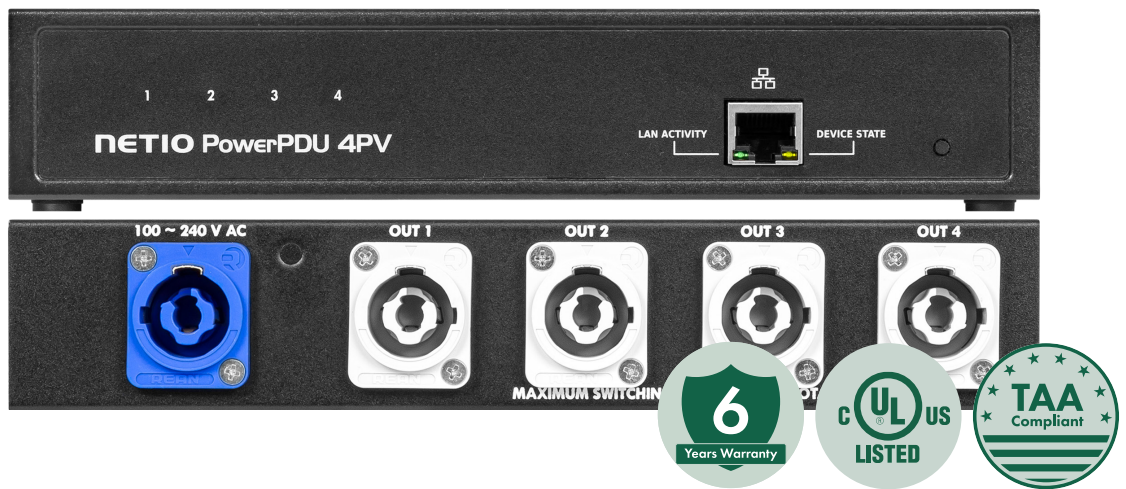- ZVS (Zero Voltage Switching)

FEATURES

- Ping WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- **NETIO Cloud**
- NETIO Mobile 2

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s)
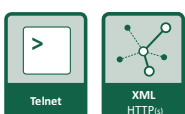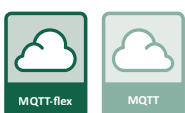 & more

PowerPDU 4Px Comparison

	PowerPDU 4PS	**PowerPDU 4PB**	**PowerPDU 4PV**
Connection	LAN	LAN	LAN
Power Input (Voltage)	IEC-320 C14 (110/230 V AC)	IEC-320 C14 (100/125 V AC)	powerCON (100/240 V AC)
Number of Outputs (Ampers per Output)	4x IEC-320 C13 (max 10A each)	4x NEMA 5-15 (max 15A each / UL rating 12A)	4x powerCON (max 16A each)
Metered Channels	-	-	-
Smart Switching	Zero Voltage Switching	Zero Voltage Switching	Zero Voltage Switching
Web Interface	●	●	●
HTTPs	●	●	●
NETIO Cloud	●	●	●
NETIO Mobile 2	iOS + Android	iOS + Android	iOS + Android
WatchDog	Ping WatchDog	Ping WatchDog	Ping WatchDog
Scheduler	●	●	●
Scripting	Condition & Rules	Condition & Rules	Condition & Rules
Open API	10 protocols	10 protocols	10 protocols
UL Certification	●	●	●

LAN

WiFi

WEB

NETIO CLOUD

MOBILE APPLICATION

19″ Rack

DI

SENSOR T1

SERIAL RS-232

POWER METERING

ZCS Zero Current

ZVS Zero Voltage

PowerUp state

Condition & Rules

PING WATCHDOG

Power WATCHDOG

SCHEDULER

HTTPs

JSON HTTP(s)

Modbus/TCP

UDP

SNMP v1/v2

SNMP v3

MQTT-flex

MQTT

Telnet

XML HTTP(s)

Push JSON

URL API HTTP(s)

PowerPDU 8KS

PowerPDU 8KS is a PDU (Power Distribution Unit) with eight power outputs controlled and metered over LAN. Each output can be switched on/off and metered individually. It fits into a 19" cabinet (1U). Its Digital Input (DI) can be used to control the outputs or count S0 pulses. With the NETIO Cloud service, the outputs can be controlled from anywhere. Drivers for AV systems are available (Crestron, Extron, Savant, RTI, Utelogy, ELAN and more).

Power Metering & Switching

6 Years Warranty

c UL us LISTED

TAA Compliant

SPECIFICATIONS

- Switching & metering each power output independently
- 8 power metering channels (A, W, kWh, TPF, V, Hz)
- Power input: IEC-320 C20 (110/230 V AC)
- Power output: 8x IEC-320 C13 / max 16A per output
- 1x RJ45 Ethernet
- 1x DI - Digital Input
- ZCS (Zero Current Switching)

FEATURES

- **Thermostat feature (Ext. temperature sensor support)**
- Ping + Power WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- NETIO Cloud
- NETIO Mobile 2
- 1x DI (Digital Input)

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TPC
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s) & more

PowerPDU 8KB

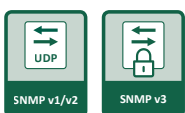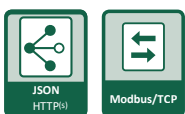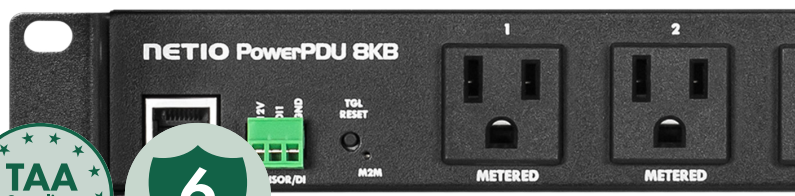PowerPDU 8KB is a PDU (Power Distribution Unit) with eight power outputs controlled and metered over LAN. Each output can be switched on/off and metered individually. It fits into a 19" cabinet (1U). Its Digital Input (DI) can be used to control the outputs or count S0 pulses. With the NETIO Cloud service, the outputs can be controlled from anywhere. Drivers for AV systems are available (Crestron, Extron, Savant, RTI, Utelogy, ELAN and more).

Power Metering & Switching

SPECIFICATIONS

- Switching & metering each power output independently
- 8 power metering channels (A, W, kWh, TPF, V, Hz)
- Power input: IEC-320 C20 (110/230 V AC)
- Power output: 8x NEMA 5-15R / max 15A per output (UL rating 12A)
- 1x RJ45 Ethernet
- 1x DI - Digital Input
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FEATURES

- **Thermostat feature (Ext. temperature sensor support)**
- Ping + Power WatchDog
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CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- NETIO Cloud
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- 1x DI (Digital Input)

OPEN API

- Telnet
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- URL API - HTTP(s) get
- JSON over HTTP(s)
  & more

LAN • WiFi

WEB • NETIO CLOUD

MOBILE APPLICATION • 19″ Rack

DI • SENSOR T1

SERIAL RS-232 • POWER METERING

ZCS Zero Current • ZVS Zero Voltage

PowerUp state • Condition & Rules

PING WATCHDOG • Power WATCHDOG

SCHEDULER • HTTPs

JSON HTTP(s) • Modbus/TCP

SNMP v1/v2 • SNMP v3

MQTT-flex • MQTT

Telnet • XML HTTP(s)

Push JSON • URL API HTTP(s)

UL LISTED • TAA Compliant • 6 Years Warranty

PowerPDU 8Kx Comparison

	PowerPDU 8KS	PowerPDU 8KB
Connection	LAN	LAN
Power Input (Voltage)	IEC-320 C20 (110/230 V AC)	IEC-320 C20 (100/125 V AC)
Number of Outputs (Ampers per Output)	8x IEC-320 C13 (max 16A each)	8x NEMA 5-15R (max 15A each / UL rating 12A)
Metered Channels	8	8
Smart Switching	Zero Current Switching	Zero Current Switching
DI (Digital Input)	●	●
Web Interface	●	●
HTTPs	●	●
NETIO Cloud	●	●
NETIO Mobile 2	iOS + Android	iOS + Android
WatchDog	Ping + Power WatchDog	Ping + Power WatchDog
Scheduler	●	●
Scripting	Condition & Rules	Condition & Rules
Open API	10 protocols	10 protocols
UL Certification	●	●

NETIO PDUs: BUILT TO LAST

NETIO products are engineered for exceptional durability, far surpassing the typical lifespan of consumer-grade electronics. This commitment to longevity begins with the selection of robust, industrial-grade components designed to withstand demanding environments and resist wear and tear.

NETIO engineers employ advanced design techniques to ensure long-term reliability, including features like Zero Current Switching. This technology minimizes stress on relay contacts, the c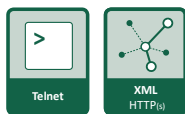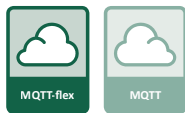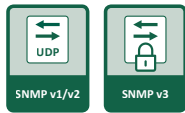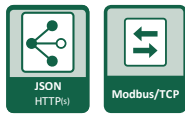omponents most susceptible to failure in traditional power distribution units. By precisely timing the switching action to occur when the current crosses zero, NETIO significantly reduces arcing and erosion, dramatically extending the life of the relays and minimizing the need for replacements.

This focus on durability translates to a lower environmental impact in several ways. Firstly, it reduces electronic waste. Products that last longer mean fewer units end up in landfills, lessening the strain on our planet's resources. Secondly, it minimizes the need for frequent replacements, which in turn reduces manufacturing, packaging, and shipping — all of which contribute to carbon emissions. NETIO's dedication to building enduring products aligns perfectly with their commitment to sustainability, demonstrating that high performance and environmental responsibility can go hand-in-hand.
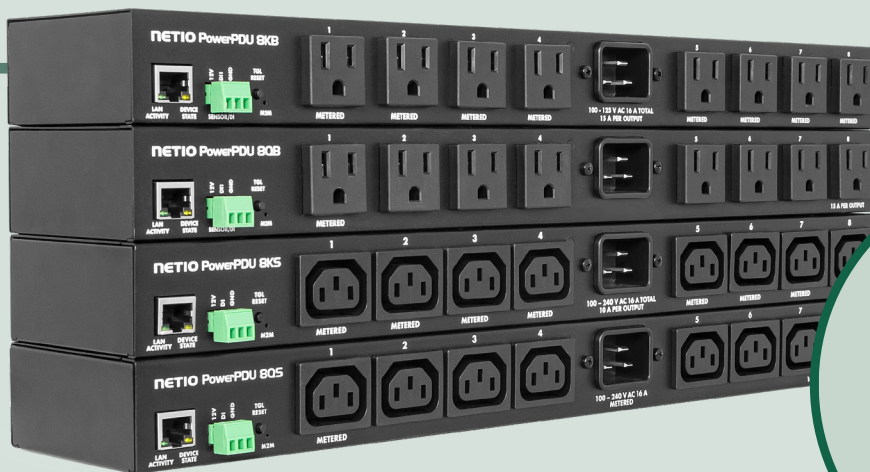
And because NETIO is so confident in the long-term reliability of their products, they offer an industry-leading 6-year warranty.

This extended warranty period provides peace of mind to customers, assuring them that their investment is protected. It also reflects NETIO's dedication to standing behind their products and their commitment to customer satisfaction. By offering such a comprehensive warranty, NETIO demonstrates their belief in the quality and durability of their power distribution units, encouraging customers to choose reliable, long-lasting solutions that minimize environmental impact.

Icon sidebar

- LAN
- WiFi
- WEB
- NETIO CLOUD
- MOBILE APPLICATION
- 19″ Rack
- DI (S0)
- SENSOR T1 (°C/°F)
- SERIAL RS-232
- POWER METERING
- ZCS Zero Current
- ZVS Zero Voltage
- PowerUp state
- Condition & Rules
- PING WATCHDOG
- Power WATCHDOG
- SCHEDULER
- HTTPs
- JSON HTTP(s)
- Modbus/TCP
- UDP - SNMP v1/v2
- SNMP v3
- MQTT-flex
- MQTT
- Telnet
- XML HTTP(s)
- Push JSON
- URL API HTTP(s)
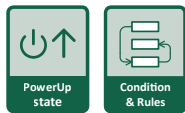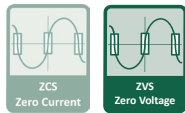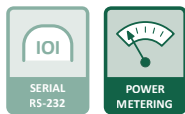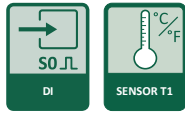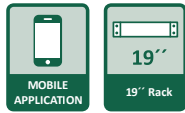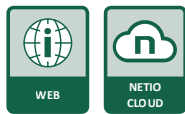
PowerPDU 8QS

PowerPDU 8QS is a PDU (Power Distribution Unit) with eight power outputs controlled and metered over LAN. Each output can be switched on/off individually. It fits into a 19'' cabinet (1U). PowerPDU 8QS supports two channels for electrical measurements: the PDU as a whole (all outputs combined), and the first output separately (Output1). Its Digital Input (DI) can be used to control the outputs or count S0 pulses. With the NETIO Cloud service, the outputs can be controlled from anywhere. Drivers for AV systems are available (Crestron, Extron, Savant, RTI, Utelogy, ELAN and more).

Power Metering & Switching

6 Years Warranty • c UL us LISTED • TAA Compliant

SPECIFICATIONS

- Switching each power output independently
- 2 power metering channels (Total + Output 1)
- Power input: IEC-320 C20 (110/230 V AC)
- Power output: 8x IEC-320 C13 / max 10A each (max 16A Total)
- 1x RJ45 Ethernet
- 1x DI - Digital Input
- ZVS (Zero Voltage Switching)

FEATURES

- **Thermostat feature (Ext. temperature sensor support)**
- Ping + Power WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- NETIO Cloud
- NETIO Mobile 2
- 1x DI (Digital Input)

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s) & more

PowerPDU 8QB

PowerPDU 8QB is a PDU (Power Distribution Unit) with eight power outputs controlled and metered over LAN. Each output can be switched on/off individually. It fits into a 19'' cabinet (1U). PowerPDU 8QB supports two channels for electrical measurements: the PDU as a whole (all outputs combined), and the first output separately (Output1). Its Digital Input (DI) can be used to control the outputs or count S0 pulses. With the NETIO Cloud service, the outputs can be controlled from anywhere. Drivers for AV systems are available (Crestron, Extron, Savant, RTI, Utelogy, ELAN and more).

Power Metering & Switching

LAN	WiFi	
WEB	NETIO CLOUD	
MOBILE APPLICATION	19´´ Rack	
DI	SENSOR T1	
SERIAL RS-232	POWER METERING	
ZCS Zero Current	ZVS Zero Voltage	
PowerUp state	Condition & Rules	
PING WATCHDOG	Power WATCHDOG	
SCHEDULER	HTTPs	
JSON HTTP(s)	Modbus/TCP	
SNMP v1/v2	SNMP v3	
MQTT-flex	MQTT	
Telnet	XML HTTP(s)	
Push JSON	URL API HTTP(s)	

c UL us LISTED

TAA Compliant

6 Years Warranty

SPECIFICATIONS

- Switching each power output independently
- 2 power metering channels (Total + Output 1)
- Power input: IEC-320 C20 (100/125 V AC)
- Power output: 8x NEMA 5-15R / max 15A (UL rating 12A)
- 1x RJ45 Ethernet
- 1x DI - Digital Input
- ZVS (Zero Voltage Switching)

FEATURES

- **Thermostat feature (Ext. temperature sensor support)**
- Ping + Power WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- NETIO Cloud
- NETIO Mobile 2
- 1x DI (Digital Input)

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s) & more

LAN	**WiFi**
WEB	**NETIO CLOUD**
MOBILE APPLICATION	**19´´ Rack**
DI (S0)	**SENSOR T1**
SERIAL RS-232	**POWER METERING**
ZCS Zero Current	**ZVS Zero Voltage**
PowerUp state	**Condition & Rules**
PING WATCHDOG	**Power WATCHDOG**
SCHEDULER	**HTTPs**
JSON HTTP(s)	**Modbus/TCP**
SNMP v1/v2 (UDP)	**SNMP v3**
MQTT-flex	**MQTT**
Telnet	**XML HTTP(s)**
Push JSON	**URL API HTTP(s)**

PowerPDU 8QV

PowerPDU 8QV is a PDU (Power Distribution Unit) with eight power outputs controlled and metered over LAN. Each output can be switched on/off individually. It fits into a 19'' cabinet (1U). PowerPDU 8QS supports two channels for electrical measurements: the PDU as a whole (all outputs combined), and the first output separately (Output1). Its Digital Input (DI) can be used to control the outputs or count S0 pulses. With the NETIO Cloud service, the outputs can be controlled from anywhere. Drivers for AV systems are available (Crestron, Extron, Savant, RTI, Utelogy, ELAN and more).

Power Metering & Switching

6 Years Warranty

c**UL**us LISTED

TAA Compliant

SPECIFICATIONS

- Switching each power output independently
- 2 power metering channels (Total + Output 1)
- Power input: powerCON (100/240 V AC)
- Power output: 8x powerCON/ max 16A per output
- 1x RJ45 Ethernet
- 1x DI - Digital Input
- ZVS (Zero Voltage Switching)

FEATURES

- **Thermostat feature (Ext. temperature sensor support)**
- Ping + Power WatchDog
- Week Scheduler function
- PowerUp State
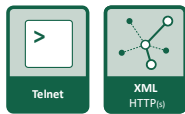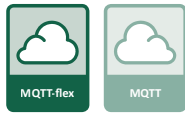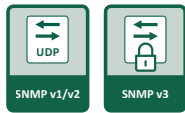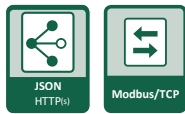- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
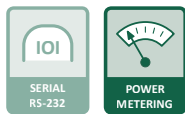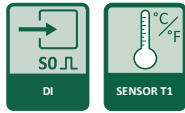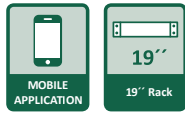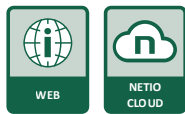- NETIO Cloud
- NETIO Mobile 2
- 1x DI (Digital Input)

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s) & more

PowerPDU 8Qx Comparison

	PowerPDU 8QS	PowerPDU 8QB	PowerPDU 8QV
Connection	LAN	LAN	LAN
Power Input (Voltage)	IEC-320 C20 (110/230 V AC)	IEC-320 C20 (100/125 V AC)	powerCON (100/240 V AC)
Number of Outputs (Ampers per Output)	4x IEC-320 C13 (max 10A each / max 16A Total)	4x NEMA 5-15R (max 15A each / UL rating 12A)	4x powerCON (max 16A each)
Metered Channels	1 + Total	1 + Total	1 + Total
Smart Switching	Zero Voltage Switching	Zero Voltage Switching	Zero Voltage Switching
DI (Digital Input)	●	●	●
Web Interface	●	●	●
HTTPs	●	●	●
NETIO Cloud	●	●	●
NETIO Mobile 2	iOS + Android	iOS + Android	iOS + Android
WatchDog	Ping + Power WatchDog	Ping + Power WatchDog	Ping+ Power WatchDog
Scheduler	●	●	●
Scripting	Condition & Rules	Condition & Rules	Condition & Rules
Open API	10 protocols	10 protocols	10 protocols
UL Certification	●	●	●

PowerCable 2KZ

NETIO PowerCable 2KZ is LAN & WiFi based flat PDU with 2 power outputs & 2x DI (Digital Input) for external devices. Device measures electrical parameters (A, W, kWh, TPF, V, Hz) and switches individually both outputs ON/OFF/restart. 2x DI (Digital Input) with S0 pulse counter (32 bit) can be used to connect external devices or energy meters. Integration with 3rd party systems (Open API + AV drivers) is possible.

Icons (left column):
LAN · WiFi · WEB · NETIO CLOUD · MOBILE APPLICATION · 19˝ Rack · DI (S0) · SENSOR T1 · SERIAL RS-232 · POWER METERING · ZCS Zero Current · ZVS Zero Voltage · PowerUp state · Condition & Rules · PING WATCHDOG · Power WATCHDOG · SCHEDULER · HTTPs · JSON HTTP(s) · Modbus/TCP · SNMP v1/v2 · SNMP v3 · MQTT-flex · MQTT · Telnet · XML HTTP(s) · Push JSON · URL API HTTP(s)

Power Metering & Switching

6 Years Warranty · c(UL)us · TAA Compliant

SPECIFICATIONS

- Switching & metering both power outputs independently
- 2x power metering (A, W, kWh, TPF, V, Hz)
- Power input: 230V / 16A
- Power output: 2x Power switching + metering
- 1x RJ45 Ethernet + WiFi
- 2x DI - Digital Input
- ZCS (Zero Current Switching)

FEATURES

- **Thermostat feature (Ext. temperature sensor support)**
- Ping + Power WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- **NETIO Cloud**
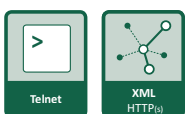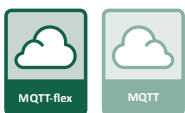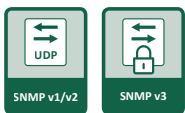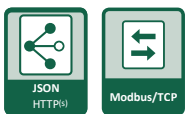- NETIO Mobile 2
- 2x DI (Digital Input)

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s)
- & more

PowerCable 2PZ

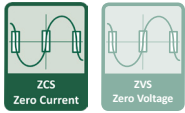*NETIO PowerCable 2PZ is cost effective version of the flat PDU. LAN & WiFi based PDU with 2 switched power outputs. Device switches both outputs individually ON/OFF/restart. Integration with 3rd party systems (Open API + AV drivers) is possible.*

Power Switching

SPECIFICATIONS

- Switching each power output independently
- Power input: 230V / 16A
- Power output: 2x Power switching
- 1x RJ45 Ethernet + WiFi
- ZVS (Zero Voltage Switching)

FEATURES

- Ping WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- **NETIO Cloud**
- NETIO Mobile 2

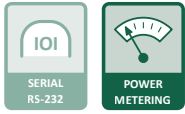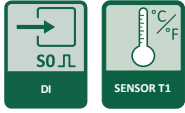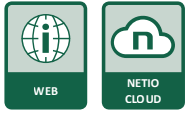### OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s)
- & more

Icons (right column):
LAN, WiFi, WEB, NETIO CLOUD, MOBILE APPLICATION, 19˝ Rack, DI, SENSOR T1, SERIAL RS-232, POWER METERING, ZCS Zero Current, ZVS Zero Voltage, PowerUp state, Condition & Rules, PING WATCHDOG, Power WATCHDOG, SCHEDULER, HTTPs, JSON HTTP(s), Modbus/TCP, SNMP v1/v2, SNMP v3, MQTT-flex, MQTT, Telnet, XML HTTP(s), Push JSON, URL API HTTP(s)

LAN	**WiFi**
WEB	**NETIO CLOUD**
MOBILE APPLICATION	**19˝ Rack**
DI	**SENSOR T1**
SERIAL RS-232	**POWER METERING**
ZCS Zero Current	**ZVS Zero Voltage**
PowerUp state	**Condition & Rules**
PING WATCHDOG	**Power WATCHDOG**
SCHEDULER	**HTTPs**
JSON HTTP(s)	**Modbus/TCP**
UDP	**SNMP v3**
SNMP v1/v2	
MQTT-flex	**MQTT**
Telnet	**XML HTTP(s)**
Push JSON	**URL API HTTP(s)**
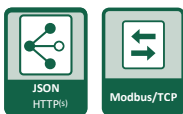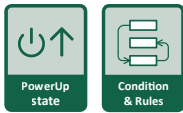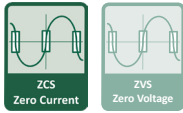
PowerCable 2KB

NETIO PowerCable 2KB is LAN & WiFi based flat PDU with 2 power outputs & 2x DI (Digital Input) for external devices. Device measures electrical parameters (A, W, kWh, TPF, V, Hz) and switches individually both outputs ON/OFF/restart. 2x DI (Digital Input) with S0 pulse counter (32 bit) can be used to connect external devices or energy meters. Integration with 3rd party systems (Open API + AV drivers) is possible.

Power Metering & Switching
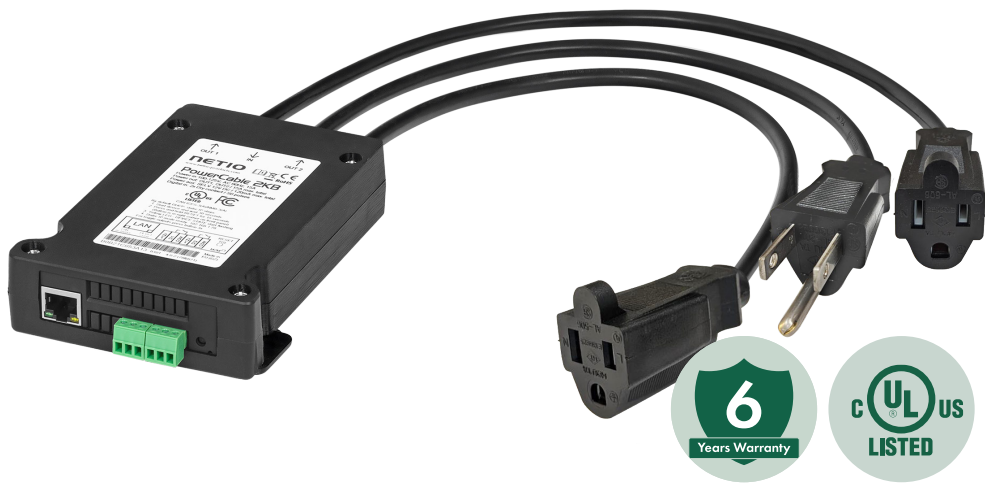
6 Years Warranty

c UL us LISTED

TAA Compliant

SPECIFICATIONS

- Switching & metering both power outputs independently
- 2x power metering (A, W, kWh, TPF, V, Hz)
- Power input: NEMA 5-15P 100/125V
- Power output: 2x NEMA 5-15R; max 15A each
  (UL rating 12A)
- 1x RJ45 Ethernet + WiFi
- 2x DI - Digital Input
- ZCS (Zero Current Switching)

FEATURES

- **Thermostat feature
  (Ext. temperature sensor support)**
- Ping + Power WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- **NETIO Cloud**
- NETIO Mobile 2
- 2x DI (Digital Input)

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s)
- & more

PowerCable 2PB

NETIO PowerCable 2PB is cost effective version of the flat PDU. LAN & WiFi based PDU with 2 switched power outputs. Device switches both outputs individually ON/OFF/restart. Integration with 3rd party systems (Open API + AV drivers) is possible.

Power Switching

LAN	WiFi
WEB	NETIO CLOUD
MOBILE APPLICATION	19´´ Rack
DI	SENSOR T1
SERIAL RS-232	POWER METERING
ZCS Zero Current	ZVS Zero Voltage
PowerUp state	Condition & Rules
PING WATCHDOG	Power WATCHDOG
SCHEDULER	HTTPs
JSON HTTP(s)	Modbus/TCP
SNMP v1/v2	SNMP v3
MQTT-flex	MQTT
Telnet	XML HTTP(s)
Push JSON	URL API HTTP(s)

SPECIFICATIONS

- Switching each power output independently
- Power input: NEMA 5-15P 100/125V
- Power output: 2x NEMA 5-15R max 15A per output (UL rating 12A)
- 1x RJ45 Ethernet + WiFi
- ZVS (Zero Voltage Switching)

FEATURES

- Ping WatchDog
- Week Scheduler function
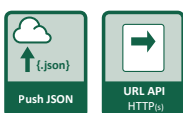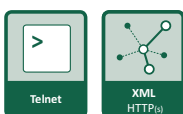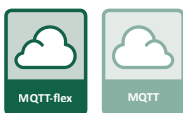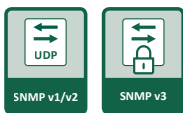- PowerUp State
- PowerUp Delay
- AV Drivers ready

CONTROL OPTIONS

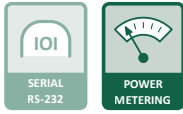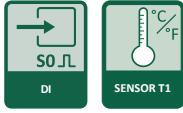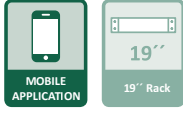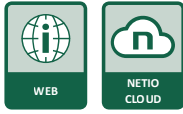- **Web Interface (HTTPs)**
- Open API
- **NETIO Cloud**
- NETIO Mobile 2

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s)
- & more

PowerCable 2xx Comparison

	PowerCable 2KZ	PowerCable 2KB	PowerCable 2PZ	PowerCable 2PB
Connection	LAN & WiFi	LAN & WiFi	LAN & WiFi	LAN & WiFi
Power Input (Voltage)	Terminal Block (110/230 V AC)	NEMA 5-15P (100/125 V AC)	Terminal Block (110/230 V AC)	NEMA 5-15P (100/125 V AC)
Number of Outputs (Ampers per Output)	2x Terminal Block (max 16A each)	2x NEMA 5-15R (max 15A each / UL rating 12A)	2x Terminal Block (max 16A each)	2x NEMA 5-15R (max 15A each / UL rating 12A)
Metered Channels	2	2	-	-
Smart Switching	Zero Current Switching	Zero Current Switching	Zero Voltage Switching	Zero Voltage Switching
DI (Digital Input)	●	●	●	●
Web Interface	●	●	●	●
HTTPs	●	●	●	●
NETIO Cloud	●	●	●	●
NETIO Mobile 2	iOS + Android	iOS + Android	iOS + Android	iOS + Android
WatchDog	Ping + Power WatchDog	Ping + Power WatchDog	Ping WatchDog	Ping WatchDog
Scheduler	●	●	●	●
Scripting	Condition & Rules	Condition & Rules	Condition & Rules	Condition & Rules
Open API	10 protocols	10 protocols	10 protocols	10 protocols
UL Certification	○	●	○	●

PowerDIN 4PZ

PowerDIN 4PZ is a dual 230V/16A electricity meter with LAN/WiFi and I/O, designed to fit onto a DIN rail. Each of the 4 outputs can be switched on or off independently using the Web interface, Open API or NETIO Cloud. Power Outputs 1 & 2 are metered (A, W, kWh, TPF, V, Hz). Energy (Wh) is metered in both directions (consumed / supplied energy). States of 2x DI (Digital Input) with S0 pulse counter (32 bit) can be also read remotely.

Power Metering & Switching

Coming soon

UL LISTED c us

TAA Compliant

6 Years Warranty

SPECIFICATIONS

- 1 phase (power input 230V / max 16A)
- Switching each power output independently
- 2x Power metering (Output 1 & 2)
- 1x RJ45 Ethernet
- ZCS (Zero Current Switching) on Power Output 1 & 2

FEATURES

- **Thermostat feature (Ext. temperature sensor support)**
- Ping + Power WatchDog
- Week Scheduler function
- PowerUp State
- PowerUp Delay
- AV Drivers ready

- Power Outputs 1 & 2 – independently-metered and switched channels (230V/max 16A AC)
- Relay Outputs 3 & 4 – relay outputs NO/NC (max 230VAC/2A or 48VDC/2A)
- DI (Digital Inputs) In1 & In2 – connect switch (dry contact), S0 pulse meter or Temperature sensor

CONTROL OPTIONS

- **Web Interface (HTTPs)**
- Open API
- NETIO Cloud
- NETIO Mobile 2
- 2x DI (Digital Input)

OPEN API

- Telnet
- SNMP v1/v3
- Modbus/TCP
- MQTT-flex
- URL API - HTTP(s) get
- JSON over HTTP(s)
  & more

LAN	WiFi
WEB	NETIO CLOUD
MOBILE APPLICATION	19˝ Rack
DI (S0)	SENSOR T1
SERIAL RS-232	POWER METERING
ZCS Zero Current	ZVS Zero Voltage
PowerUp state	Condition & Rules
PING WATCHDOG	Power WATCHDOG
SCHEDULER	HTTPs
JSON HTTP(s)	Modbus/TCP
SNMP v1/v2	SNMP v3
MQTT-flex	MQTT
Telnet	XML HTTP(s)
Push JSON	URL API HTTP(s)

**US (NEMA 5-15)
Type B**

**S: IEC-320
C13/C14**

**powerCON
Type V**

**Z : Terminal
block**
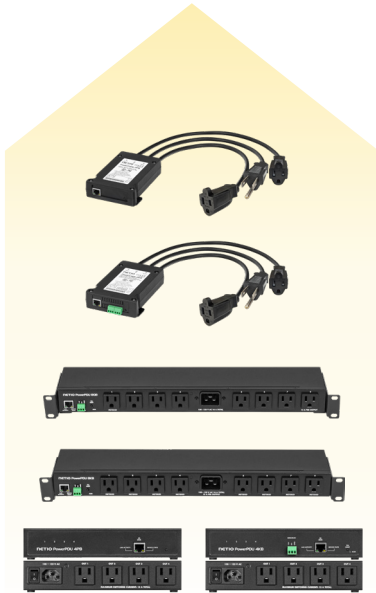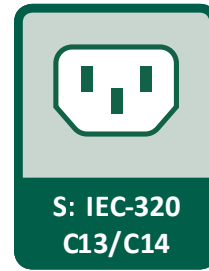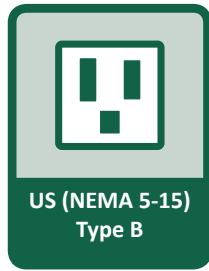
PowerPDU Family Accessories

NETIO RM1

Metal brackets to install one PowerPDU 4PS, 4KS or 4C device into a 1U space in a 19" rack frame.
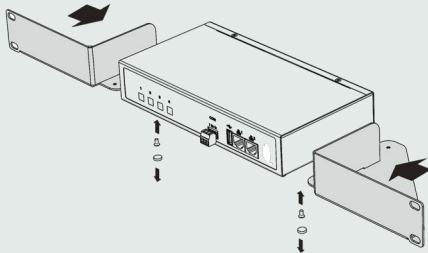
NETIO RM2

Metal brackets to install two pieces of PowerPDU 4PS, 4KS or 4C devices into a 1U space in a 19" rack frame.
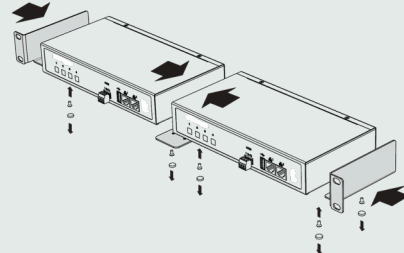
NETIO RM3 vertical

Metal brackets to fasten one NETIO PowerPDU device (PowerPDU 4PS, 4KS, 8QS or 4C) to a vertical bar in a rack frame.
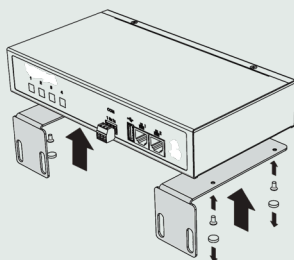
NETIO RM4 universal

Universal metal brackets to fasten one PowerPDU 4PS, 4KS, 8QS or 4C devicee.g. to horizontal bars in a rack frame.
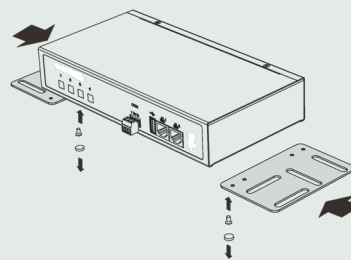
Sensor T1
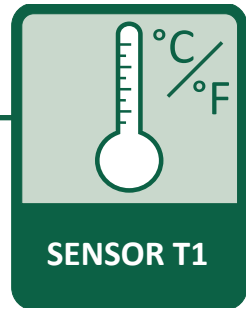
NETIO Sensor T1 is an external temperature sensor on 3m cable. It is compatible with NETIO products equipped by DI (Digital input). Temperature value is indicated on the device web. Using the CR (Condition & Rules) and PAB features can be the defined output switched autonomously based on measured temperature. Temperature value is also supported by Open API protocols, mobile app NETIO Mobile 2, NETIO Cloud and other features.

SENSOR T1

Properties

- **Operating range**: -20 °C to +80 °C
- **Accuracy**: ±0.4 °C
- **Interface**: DI terminal block
- **Cable**: PVC shielded cable, 3 m
- **Probe**: Stainless steel, 60 mm, Ø 6 mm
- **IP 67**

Application

- Thermostat switching power for heating / cooling device
- Indoor/outdoor temperature monitoring (warehouse, production, meeting rooms)
- **IT** – Temperature in rack, data center or server rooms
- **AV** – Studios, conference rooms, museums, cinemas, smart home, digital signature

Digital Input
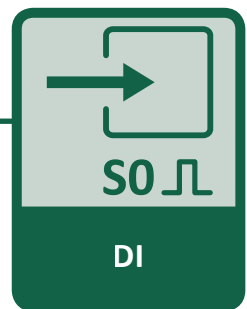
Digital Input is 2 state input (0 or 1) for connecting dry contact (mechanical switch). Any push-button, mechanical switch or sensor/detector with relay output can be connected to the Digital Input. There is also a 12V power output available.

DI

DI State Indication

- DI state (0 / 1) + pulse counter is shown on the device web page.
- DI state (0 / 1) + pulse counter is visible in NETIO Cloud.
- DI state (0 / 1) + pulse counter is available in the APIs (JSON, MQTT, SNMP, …)

You can connect to NETIO DI

Mechanical switch, movement detector, temperature senor T1, etc.
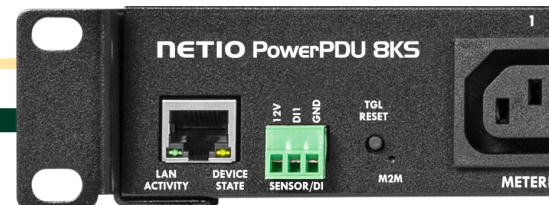
Accurate Power Metering
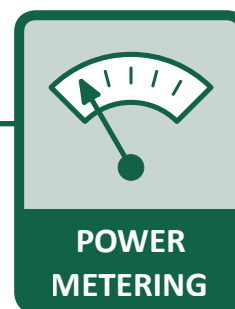
POWER
METERING

As a unique feature, NETIO power socket models that support power metering can measure electrical parameters with a high accuracy (1%) - each device is two-point calibrated at the factory, giving you a reliable data source for your power analysis!

All metered values are accessible via web interface and Open API.

Metered values*

- Current [A]
- Output power [W]
- Phase shift [°]
- TPF (True Power Factor)

- Voltage [V]
- Grid frequency [Hz]
- Energy [Wh]
- Reverse Energy [Wh]

*Actual number of metered values depends on the product model

How can you use the data?

- **Power & Cost analysis** of your electrical appliance (TV screens, fridges etc.)
- Long-term behavior **monitoring and predictive maintenance**
- **Threshold warnings** when power is too high / too low
- **Monitoring fault conditions** (e.g. water pump is running dry)
- Power monitoring over SNMP in Zabbix / Nagios / Prometheus / Grafana etc.
- **Counting repeated work cycles** of a generic mechanical machine (e.g. gates, robots or vending machines)
- Download CSV file from NETIO Cloud per output.

!

A

V

W

TPF

Wh
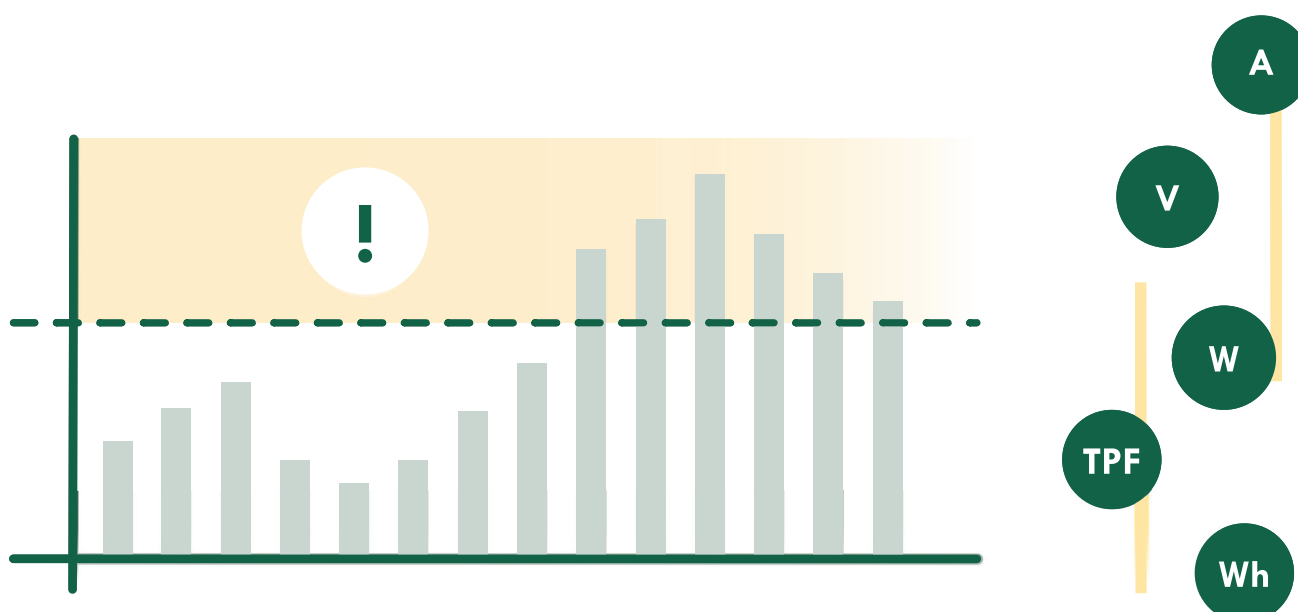
NETIO Cloud

With NETIO Cloud, you can switch On/Off or restart (power cycle) any electrical appliance powered by NETIO PDU power output. Several NETIO PDUs can be connected to one company account. Users can control PDU output(s) from the Mobile App (IOs & Android) or the NETIO Cloud Service web page.

NETIO CLOUD

- Secured online service (TLS 1.3, HTTPs)
- Long-term stable & reliable
- User Roles & Access Rights
- Remote firmware update
- Power-Up Sequence
- Project oriented (Multi-user feature)
- On Premise version available
- Open API mindset
- NETIO Mobile 2 synchronization

ONE DASHBOARD

In NETIO Cloud you see all of the outputs of your devices on one dashboard and you can easily control them from there. You can switch each output On/Off, restart (short power off) or also activate/deactivate its Scheduler feature.

SEARCH FUNCTION

You can name outputs and devices. You can filter the words you like through the search bar and control a group based on names.

MULTI-USER

NETIO Cloud is designed primarily for organizations or companies as the main users. Organizations can centrally manage their devices and data through their account. They can also share access with other user accounts by assigning specific roles, ensuring secure and flexible collaboration.

DEVICE GROUPING

Each device can be assigned to a defined group for clarity. You can sort the devices by different criteria (buildings, location, customer, purpose, ...).

REPORTS

Netio Cloud offers electrical consumption reporting possibilities as simple CVS file download or Push report into MS Power BI. User can define reporting details from group of devices, through single device or even down to individual outputs.

SSO & 2FA

With SSO (Single Sign On) you can use MS 365, Google or Octa to log in into your account. Domain login is possible for customers with Enterprise subscription plan.
You can secure your account beyond just username and password with Two-Factor Authentication (2FA).

On Premise Available.

CREDIT SYSTEM

NETIO Cloud is a paid service, charged in NETIO Cloud credits. These credits are then deducted per day based on the number of devices added to the organization according to the subscription plan chosen.

How to get NETIO Cloud credits?

• **Credit Voucher** - You can buy Credit Vouchers from our Distributors.

• **Welcome credit** - Once you add a new product to your NETIO Cloud organization, NETIO Cloud automatically adds 50 000 FREE credits one time per device.

SUBSCRIPTION PLANS

NETIO Cloud offers its customers 3 types of subscriptions, plus a custom one for bigger projects.

	BASIC	SMALL OFFICE	ENTERPRISE
Max. Users	1	5	50
User Roles	-	YES	YES
Device Limit	50	500	2000
Device Groups	-	YES	YES
Remote Schedule ON/OFF	-	YES	YES
NETIO Mobile 2	YES	YES	YES
Audit Log	-	YES	YES
MQTT API *(publish/day)*	-	5,000	10,000
PDU Connection Alert	YES	YES	YES
Connection Error Alert Reaction Time	30 min.	1 min.	1 min.
Historical Data Retention *(after an additional fee)*	1 Year	2 Years	4 Years
PAB & WatchDog Alerts	-	-	YES
Remote Firmware Update	YES	YES	YES
0 Credit Protection Period *(until the account is blocked)*	7 days	14 days	30 days

TRY NETIO CLOUD DEMO!

Test the NETIO cloud service even without NETIO PDU on the table.

Go to: **cloud.netio-products.com**

Login: demo@netio.eu / password: demodemo

NETIO Mobile 2

NETIO Mobile 2 is a mobile app to control all outputs on several NETIO devices over LAN (WiFi) or NETIO Cloud account from mobile phones and tablets. It is supported by all NETIO devices.

MOBILE APPLICATION
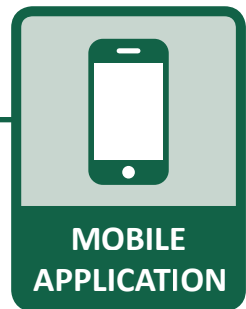
- **Control individual power outputs** – switch ON, switch OFF, RESET
- Mobile App control devices on **LAN** or all devices in defined **user account** (NETIO Cloud).
- **Read power consumption data** (A, W, Wh) from outputs that support energy metering
- Turn the Scheduler on / off for each output
- Outputs can be arranged into groups
- Group control - switch on/off all outputs in the group
- Group control - turn the Scheduler on/off for all outputs in the group
- Organize the outputs within groups (by function or location)
- Change output / device names (visible in the application)
- Add multiple devices to the mobile app
- Search your network for NETIO devices (LAN discover function)

SCHEDULER	LAN	WiFi	POWER METERING	NETIO CLOUD
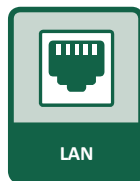
Get our mobile app NETIO Mobile 2:

GET IT ON Google Play

Download on the App Store

User-friendly Web Interface

WEB
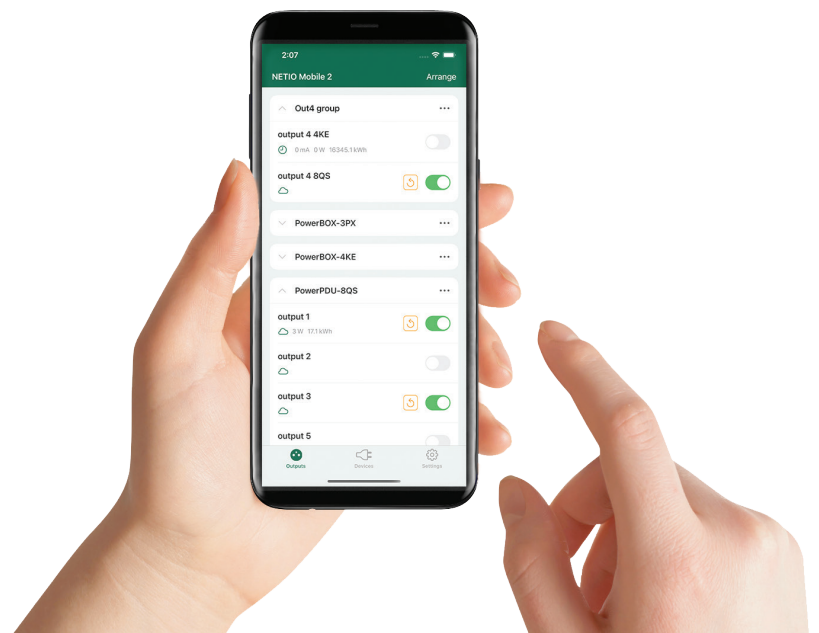
NETIO devices include their own web server and can be configured over web interface. The web interface is accessible over the local network with any web browser at the device´s IP address. Each output can be controlled independently and electrical metering data is visible for metered outputs.

- **Switching** each power output On / Off / Reset
- Electrical **metering** data visible

- **Open API** configuration
- **NETIO Cloud** connection

- **Scheduler function**: Time-based power switching for each output
- **IP WatchDog(s), Rules & Condition configuration.**
- **PowerUp state**: Define the behavior of the power output after the device is powered up (or after power is restored after power outage). Possible values: On / Off / Last state.
- **PowerUp delay**: Set a delay (in milliseconds) to wait before switching the output (e.g. when the power is restored after an outage). This prevents circuit breakers from tripping.

Open API
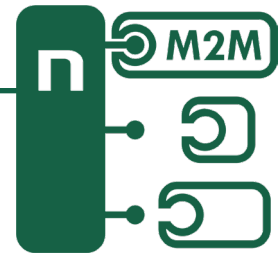
Monitor and control your NETIO power socket via any interoperable device, software or cloud. NETIO devices can be easily integrated into the systems you are already using. NETIO products support many Open API standards such as MQTT, Modbus/TCP, JSON over HTTP, SNMP, XML and more...
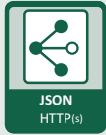
JSON and XML over HTTP(s)

JSON and XML are popular thanks to their simplicity and human-readability. JSON is the most popular protocol, used in most integrations in the AV market – Crestron, Control4, RTI, Savant and more.

URL API (http get)

By accessing a certain WWW address, a socket can be switched on, switched off, or toggled. This method is often used in IP surveillance cameras, JAVA scripts, or other web technologies.

HTTP(s) Push – JSON / XML

NETIO devices can periodically connect to the specified server over http / https and send data in a JSON or XML structure. It is useful in cases where the NETIO device is not accessible from the internet or the server (NETIO device is in a LAN behind a NAT).

MQTT / MQTT-flex

MQTT is often used in IoT applications and related cloud services. It is designed for large networks with low data traffic to minimize data volumes. MQTT-flex is a text based configurable version of the standard MQTT protocol (broker details, topics, etc.).

SNMP v1/v2, SNMP v3

NETIO sockets can be controlled via SNMP v1/v2 or the more secure SNMP v3. Popular SNMP applications are: Nagios, Zabix, Cacti, Paessler PRTG Network Monitor and more.

Modbus/TCP

Modbus/TCP is very common in industry, where it is a de-facto standard for communication on a local level. It does not support any security. Thanks to Modbus/TCP support, NETIO sockets can be controlled from PLCs or various SCADA applications.

Telnet

NETIO sockets can be controlled with commands sent over a Telnet connection. We maintain Telnet command compatibility with the KShell (Koukaam Shell) instruction set to ensure backward compatibility with Koukaam products.zzz

UL Compliant
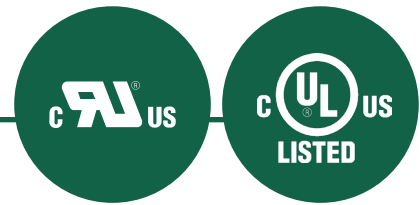
NETIO products being certified by UL (Underwriters Laboratories) carry the assurance of meeting rigorous safety standards established by an internationally recognized organization.

UL certification enhances product credibility, safety, instilling trust among consumers and regulatory authorities. Having products certified ensures NETIO can be included in large corporates & governance projects. NETIO products fulfill requirements for US & Canada. As of standard:

- UL 62368-1 3rd Edition
- CAN/CSA C22.2 No. 62368-1:19

TAA Compliant

Being TAA-compliant offers significant benefits for NETIO products, especially for entering the U.S. government and institutional markets.

Firstly, TAA compliance is a requirement for many federal contracts, which opens for us a major market segment. It allows NETIO products to be sold through government procurement channels, greatly expanding its sales potential. Additionally, TAA-compliant products often gain preferred vendor status, making NETIO more attractive in competitive bidding. It also helps NETIO align with national security policies, as TAA-approved sourcing reduces risks associated with restricted countries.

Application Notes

A vast library of AN resources enhaces your understanding of how to integrate NETIO products into your applications. Visit www.netio-products.com – to learn more about "How to API", browse examples of integrations, setups etc…

NETIO AN75: NETIO devices integration & control through Q-SYS control platform

NETIO AN76: NETIO device integration & control through ATLONA Velocity Platform

NETIO AN28: Crestron AV system plugin to control NETIO power sockets.

NETIO AN54: Control4 AV system plugin to control NETIO LAN/WiFi power sockets

NETIO AN56: RTI AV control system can control & measure NETIO LAN/WiFi power sockets 110/230V.

NETIO AN70: How to integrate UTELOGY with NETIO PDU by using JSON API

Integration Partners

We believe in interoperability and easy integration using Open API. Each NETIO device supports multiple APIs, which makes it a versatile component to your system.

ATLONA   BrightSign   Control4   CRESTRON

CUE   domotz   ELAN   elgato

FIBARO   flic   Grafana   Hs   HW group

kramer   LOXONE   Nagios   biamp. | neets

Node-RED   OI117   PIXI LAB Blocks   PRO DVX | ALWAYS ON

Prometheus   Q-SYS   RTI   SAVANT

SIEMENS   SKAARHOJ   utelogy   ZABBIX

Like what you see?

Contact our partner in your country, but if you haven't found any, contact us and become one!

Write us to sales@netio.eu

Product Comparison

	PowerPDU 4KS	PowerPDU 4KB	PowerPDU 4PS	PowerPDU 4PB	PowerPDU 4PV	PowerPDU 8KS	PowerPDU 8KB
Power input type	C14	C14	C14	C14	powerCON	C20	C20
Power input voltage	100-240 V	110-125 V	100-240 V	110-125 V	100-240 V	100-240 V	100-240 V
Power input current	max 10A	max 15 A*	max 10 A	max 15 A*	max 16 A	max 16 A	max 15 A*
Power output type	4x C13	4x NEMA 5-15R	4x C13	4x NEMA 5-15R	4x powerCON	8x C13	8x NEMA 5-15R
Switched channels	4	4	4	4	4	8	8
ZCS/ZVS	ZCS	ZCS	ZVS	ZVS	ZVS	ZCS	ZCS
Metered channels	4	4	-	-	-	8	8
Surge protection (SPD Type 3)	●	●	●	●	●	●	●
Internal consumption	1-2 W	1-2 W	1-2 W	1-2 W	1-2 W	1-2 W	1-2 W
PAB (Power Analyze Block)	●	●	●	●	●	●	●
Relay outputs (NO/NC)	-	-	-	-	-	-	-
Digital Inputs (DI) + S0 counter	●	●	-	-	-	●	●
Temperature sensor "Sensor T1"	●	●	-	-	-	●	●
LAN	●	●	●	●	●	●	●
WiFi	-	-	-	-	-	-	-
Web interface	●	●	●	●	●	●	●
Open API	●	●	●	●	●	●	●
PowerUp state	●	●	●	●	●	●	●
PowerUp delay	●	●	●	●	●	●	●
Week Scheduler function	●	●	●	●	●	●	●
PING WatchDog	●	●	●	●	●	●	●
Power WatchDog	●	●	-	-	-	●	●
Condition & Rules	●	●	●	●	●	●	●
NETIO Cloud support	●	●	●	●	●	●	●
Mobile App	●	●	●	●	●	●	●
SNMP v1/v2/v3	●	●	●	●	●	●	●
Modbus/TCP	●	●	●	●	●	●	●
MQTT-flex	●	●	●	●	●	●	●
JSON over HTTP (XML)	●	●	●	●	●	●	●
Telnet	●	●	●	●	●	●	●
URL API (http get)	●	●	●	●	●	●	●
HTTP(s) Push - JSON	●	●	●	●	●	●	●
HTTP(s) Push - XML	●	●	●	●	●	●	●
HTTPs	●	●	●	●	●	●	●
19" rack mount	○	○	○	○	○	●	●

*UL rating 12 A

PowerPDU 8QS	PowerPDU 8QB	PowerPDU 8QV	PowerDIN 4PZ	PowerCable 2KZ	PowerCable 2KB	PowerCable 2PZ	PowerCable 2PB	
C20	C20	powerCON	Terminal Block	Terminal Block	NEMA 5-15P	Terminal Block	NEMA 5-15P	**Power input type**
100-240 V	100-240 V	100-240 V	100-240 V	100-240 V	100-240 V	100-240 V	100-240 V	**Power input voltage**
max 10 A	max 15 A*	max 16 A	max 16 A	max. 16 A*	max 15 A*	max 16 A*	max 15 A*	**Power input current**
8x C13	8x NEMA 5-15R	8x powerCON	Terminal Block	Terminal Block	2x NEMA 5-15R	Terminal Block	2x NEMA 5-15R	**Power output type**
8	8	8	4	2	2	2	2	**Switched channels**
ZVS	ZVS	ZVS	ZVS	ZCS	ZCS	ZVS	ZVS	**ZCS/ZVS**
Total + Output 1	Total + Output 1	Total + Output 1	Output 1 and 2	2	2	-	-	**Metered channels**
●	●	●	●	●	●	●	●	**Surge protection (SPD Type 3)**
1-2 W	1-2 W	1-2 W	1-2 W	1-2 W	1-2 W	1-2 W	1-2 W	**Internal consumption**
●	●	●	●	●	●	●	●	**PAB (Power Analyze Block)**
-	-	-	2	-	-	-	-	**Relay outputs (NO/NC)**
●	●	●	2	2	2	-	-	**Digital Inputs (DI) + S0 counter**
●	●	●	●	●	●	-	-	**Temperature sensor "Sensor T1"**
●	●	●	●	●	●	●	●	**LAN**
-	-	-	-	-	-	-	●	**WiFi**
●	●	●	●	●	●	●	●	**Web interface**
●	●	●	●	●	●	●	●	**Open API**
●	●	●	●	●	●	●	●	**PowerUp state**
●	●	●	●	●	●	●	●	**PowerUp delay**
●	●	●	●	●	●	●	●	**Week Scheduler function**
●	●	●	●	●	●	●	●	**PING WatchDog**
●	●	●	●	●	●	-	-	**Power WatchDog**
●	●	●	●	●	●	●	●	**Condition & Rules**
●	●	●	●	●	●	●	●	**NETIO Cloud support**
●	●	●	●	●	●	●	●	**Mobile App**
●	●	●	●	●	●	●	●	**SNMP v1/v2/v3**
●	●	●	●	●	●	●	●	**Modbus/TCP**
●	●	●	●	●	●	●	●	**MQTT-flex**
●	●	●	●	●	●	●	●	**JSON over HTTP (XML)**
●	●	●	●	●	●	●	●	**Telnet**
●	●	●	●	●	●	●	●	**URL API (http get)**
●	●	●	●	●	●	●	●	**HTTP(s) Push - JSON**
●	●	●	●	●	●	●	●	**HTTP(s) Push - XML**
●	●	●	●	●	●	●	●	**HTTPs**
-	-	-	-		-	-	-	**19" rack mount**

*UL rating 12 A

LAN
Ethernet 10/100 Mbit interface (RJ-45) for wired connection to LAN (Local Area Network).

WiFi
Ethernet 10/100 Mbit interface (RJ-45) for wired connection to LAN (Local Area Network).

WEB INTERFACE
NETIO devices include their own web server. Each output can be controlled (switch on/off/restart) and configured over the web interface.
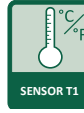
NETIO CLOUD
NETIO Cloud is a service for controlling multiple NETIO devices from one screen. It is well-secured and reliable. It is accessible via any web browser.

MOBILE APPLICATION
NETIO Mobile 2 is a mobile application, which allows you to control multiple NETIO smart PDUs, strips, sockets and cables from a single screen.

19" RACK
Some NETIO devices fit into 19" cabinet (1U). Metal brackets (Rack Mount Kits) are available as an accessory.

DI (Digital Input)
Digital Input is an interface, which allows to detect binary signals (0 or 1). A digital input (DI) can be used to control the outputs or count S0 pulses.
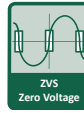
SENSOR T1
NETIO Sensor T1 is an external temperature sensor on 3m cable. It is compatible with NETIO products equipped by DI (Digital input).

SERIAL PORT (RS-232)
Some NETIO devices include a (3-pin) RS-232 serial port. The serial port (serial console) can be connected to a specified TCP/IP port.

POWER METERING
Some NETIO devices can measure electrical values – [A], [W], [Wh], TPF (True Power Factor), [V], [Hz], [°], ...

ZCS (ZERO CURRENT SWITCHING)
The relay contacts switch the output on or off when the current crosses the zero level. This reduces the negative effect of Inrush Current.

ZVS (ZERO VOLTAGE SWITCHING)
The relay contacts switch the output on or off when the voltage crosses the zero level. This reduces the negative effect of Inrush Current.

POWERUP STATE
This parameter defines the output state (On/Off/Last) after powering up the device or when power is restored after a power outage.

CONDITION & RULES
NETIO Condition (PAB & WatchDog) & Rules are pre-defined detections (Conditions) and related actions. Runnig in NETIO PDU devices.

IP WATCHDOG (PING)
Function, that checks the availability of another device in the network using the "ping" command (ICMP protocol).
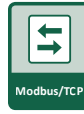
POWER WATCHDOG
PDU based autonomous monitoring of connected (powered) electrical device system. Power consumption drops-down can be used for autonomous restart.

SCHEDULER
The Scheduler function (also known as Planner or Calendar) allows to specify a time plan for swit-ching individual electrical sockets on and off.

HTTPs
NETIO devices are configured via an internal web server. All communication with the device, which is HTTP-based, can be encrypted using HTTPS and custom certificates.

JSON over HTTP(s)
JavaScript Object Notation (JSON) is a platform-independent data transfer format. A JSON data structure is transferred over HTTP(s).

MODBUS/TCP
Modbus/TCP is a communication protocol designed for industrial applications - exchanging data messages in a master-slave mode.

SNMP v1/v2
SNMP v1/v2 (Simple Network Management Protocol) is a UDP-based protocol for monitoring and management of networks and services.

SNMP v3
SNMP version 3 supports secure communication. Unlike SNMP v1 and v2, it uses username and password authentication and SSL encryption.

MQTT-flex
The MQTT-flex version of the MQTT protocol can be configured in detail thanks to the "flex" extension.

MQTT
MQTT (Message Queuing Telemetry Transport) is a simple protocol for exchanging messages among devices. It is frequently used in IoT applications.

Telnet
Telnet is a TCP/IP-based protocol used in computer networks that allows the user to connect to a re-mote computer using a Telnet application (console).

XML over HTTP(s)
XML stands for eXtensible Markup Language. It is a language that uses tags in a defined structure. A XML data structure is transferred over HTTP(s).

HTTP(s) Push JSON
NETIO devices can periodically connect to the specified server over http/https and send data in a .json (JavaScript Object Notation) structure.

URL API (http get)
Simple method for passing parameters as a part of a URL address (http get). In this way, it is easy to turn on/off or toggle each individual socket.

Notes:

NETIO
Networked power sockets

NETIO PRODUCTS US INC.
6303 Blue Lagoon Dr. #400
Miami, FL 33126

🌐 **www.netio-products.com**

✉ **info@netio-us.com**

📞 **+1 608 746 1332**

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