

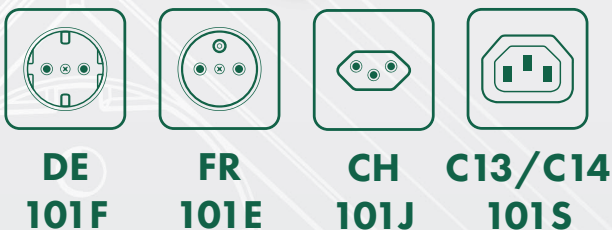
# PowerCable Modbus 101x

**NETIO PowerCable, Modbus/TCP version, is a smart 230V/16A extension cord with WiFi connectivity. The output power socket can be turned on/off over the Web or using the Modbus/TCP protocol.**

**PowerCable 101x also measures power consumption (A, kWh, TPF).**

**Different power socket variants are distinguished by the last letter in the model designation – the “x” in 101x.**

- WiFi connection to a LAN
  - Switching output On/Off
  - Electricity metering and reporting (A, kWh, V, Hz, W, TruePF).
  - **ZCS** (Zero Current Switching) for safe control of connected appliances.
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- No mobile app needed to install the device and connect it to a WiFi network.
  - Supports the standard Modbus/TCP protocol.
  - Includes an IP filter to ensure basic security of the Modbus/TCP protocol.
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- Easy installation, automatic WiFi reconnect
  - 4 versions: DE, FR, CH, IEC-320 C13/C14)



PowerCable Modbus can meter and control an electrical socket using the Modbus/TCP industrial protocol. It is easy to connect to a local WiFi, no mobile application is needed.

The built-in IP filter can restrict Modbus/TCP access to specific IP address range.

We supply different versions for different markets.

The “x” in the 101x designation indicates the electrical socket and plug type.



**CONTROLLING ELECTRICAL SOCKETS OVER A LAN FROM A PLC**



**METERING OF INDIVIDUAL SOCKETS IN A SCADA SYSTEM**



**MONITORING OF ELECTRICAL MACHINERY**



**ELECTRICITY CONSUMPTION MONITORING**



**ENERGY SAVINGS**

## FEATURES

- **101x: Several models for different markets**

- 101F (DE "Schuko" – most of Europe)
- 101E (FR – France, Poland, Czechia, Slovakia)
- 101J (CH 10A max – Switzerland)
- 101S (IEC-320 C13/C14 10A max)

- **Configuration over the Web**

- **ZCS** (Zero Current Switching) - recommended for electric appliances with high Inrush Current.

- **IOC** (Independent Output Control) – Output state is not affected during FW upgrade.

- **Supports Modbus/TCP protocol**

- **IP filter for access security** (IP address range)

- **Electrical measurements**

- Current [A]
- Voltage [V]
- Consumption [kWh]
- Power [W]
- TPF (True Power Factor)
- Frequency [Hz]
- Accuracy: 3% (25°C, min 0.1A)

- **Socket control options:**

- Push-button
- WEB browser
- Modbus/TCP protocol

**Supported protocols:** HTTP, DNS, NTP, DHCP, ICMP

## SPECIFICATIONS

### POWER

- Input: 230V
- Output: On/Off (relay)
- **ZCS** (Zero Current Switching): Yes
- Maximum load: 16A (10A for 101J and 101S)
- Internal consumption: Max 2 W
- Default output state: On / Off / LAST state

### INTERFACES

- WiFi: 802.11 b/g/n; 2.4GHz
- The installation does not require any mobile app
- 1x push-button
- 2x LED indicator

### PACKAGE CONTENTS

- NETIO PowerCable Modbus 101x
- QIG – Quick Installation Guide

### DIMENSIONS / MASS

- Device: 180 x 40 x 30 mm + 2x cable
- Cables: 2x 0.85 m
- Package: 260 x 93 x 100 mm / 0.4 Kg

### OPERATING CONDITIONS

- Temperature: -10°C to +65°C
- Max current: 16A up to 30°C, max 5A at 65°C
- For indoor use only (IP30)

**STANDARDS:** RED CE, NV 426/2016, 2014/53/EU, EN 50581: 2012, EN 300328, EN 62311:2008, EN 301489-1, EN 60950-1

## AVAILABLE MODELS



**101F**



**101E**



**101J**



**101S**

**PowerCable Modbus 101F** 101F is the "DE" version (Schuko) for most EU countries.

**PowerCable Modbus 101S** 101S is the IEC-320 C13/C14 international version, max 10A.

**PowerCable Modbus 101E** 101E is the "FR" version for France, Czech Republic, Slovakia and Poland.

**PowerCable Modbus 101J** 101J is the "CH" version for Switzerland, max 10A.