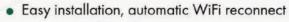# PowerCable Modbus 101x

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.

- 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.

- Easy installation, automatic WiFi reconnect
- 4 versions: DE, FR, CH, IEC-320 C13/C14)

DE	FR	CH	C13/C14
101F	101E	101J	101S

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.

Weitere Infos unter +49 (89) 840 57 170 oder auf www.procom-data.de