



User Manual

Smart P1/A1 Connect

And

Smart TIC Connect



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History of changes

VERSION	DATE	DESCRIPTION
1.0	04/07/2025	First Official Version
1.1	23/07/2025	IP address for Web Interface adjusted
1.2	28/07/2025	Added an explanation to the Web Interface connection methods.
1.3	18/08/2025	Update Smart Connect connection URL
1.4	2/10/2025	Xemex Layout and make official release
1.5	18/11/2025	Add launch date Xemex broker and add API endpoint.



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1. Introduction

Thank you for purchasing this P1/A1/TIC Smart Connect. Xemex has a wide product range of devices. We have introduced a variety of meters and converters. For more information on other products visit our website at [Home - Xemex | Smart Energy Communicator](https://www.xemex.eu) or contact our sales department on sales@xemex.eu.

1.1. P1/A1 Smart Connect

The Xemex P1/A1 Smart Connect is a compact module that converts Dutch and Belgian Smart Meter P1/A1 messages into Modbus TCP or MQTT. It supports DSMR 4.2+ in the Netherlands and the E-MUCS standard in Belgium. The Smart Connect also features a P1/A1 output port to replicate the original message, allowing other P1/A1 devices to remain functional.

It connects to the Smart Meter via an RJ12-to-RJ12 cable and is typically powered through the meter's P1/A1 port. In specific cases where this is insufficient (see POWER REQ), an external USB-C power supply can be used.

1.2. TIC Smart Connect

The Xemex TIC Smart Connect is a compact module that converts French Smart Meter TIC messages into Modbus TCP or MQTT. It is compliant with the *Enedis-NOICPT_54E V3 (2018)* standard. It connects to the meter via a dual-pin TIC port and functions as a Modbus TCP slave over Ethernet, enabling communication with a Modbus master. The Modbus memory map is configurable through selectable templates during setup.

Powered by an external USB-C supply, the Smart Connect features a multicolour backlit button for user interaction, using colour codes to indicate operational status.

1.3. Target group

A qualified person in accordance with specific local standards and safety regulations must be responsible for the installation, operation and maintenance of the P1/A1/TIC Smart Connect. It is assumed that the reader of this document is familiar with common electronics terminology, and has knowledge of analogue and digital electronic designs and similar products.



1.4. Intended usage

The Smart Connect is only to be used for receiving a A1, P1 or TIC telegrams and distributing the specified values. The main function of the software is to serve as a bridge from a residential smart meter to Modbus TCP or MQTT server to be used for monitoring data, or controlling devices.

The Smart Connect supports the following Use-Cases:

- **Real-time energy consumption insight**
Access up-to-date smart meter data for monitoring, reporting, and integration with smart home or EMS dashboards.
- **Automatic EV charger control**
Use P1/A1 data to dynamically manage when and how much electric vehicle charging occurs, enabling load balancing and grid stability.
- **Battery and solar system management**
Optimize home battery charging/discharging and PV micro-inverter operation based on real-time consumption and feed-in data.
- **MQTT integration for flexible IoT connectivity**
Publish smart meter data via MQTT to seamlessly connect with IoT platforms, energy managers, or home automation systems.

1.5. Used symbols

The following symbols are used in this document and/or are marked on the product:

	Alternating current
	Three-phase alternating current
	Equipment protected throughout by DOUBLE INSULATION or REINFORCED INSULATION
	Caution, possibility hazard of electric shock.
	Caution

1.6. Abbreviations and acronyms

V AC:	AC-voltage
V DC:	DC-voltage
EV:	Electrical Vehicle
(D)SMR:	(Dutch) Smart Meter Requirements
E-MUCS:	Extended Multi-Utility Companion Specification
TCP:	Transmission Control Protocol
DNS:	Domain Name Device
mDNS:	Multicast Domain Name Device
DHCP:	Dynamic Host Configuration Protocol
TIC:	Télé-Information Client
LED:	Light Emitting Diode
HTTP:	Hypertext Transfer Protocol
JSON:	JavaScript Object Notation
USB:	Universal Serial Bus
UART:	Universal Asynchronous Receiver-Transmitter
UI:	User Interface



1.7. Safety precautions

Always adhere to the following checklist:

1. Only qualified personnel or licensed electricians should install the Xemex P1/A1/TIC SMART CONNECT.
2. Follow all applicable local, national electrical and safety codes.
3. Install the P1/A1/TIC SMART CONNECT device in an electrical enclosure (panel or junction box) or in a limited access electrical room.
4. Verify that circuit voltages and currents are within the proper range for the meter model.
5. Equipment must be disconnected from the HAZARDOUS LIVE voltages before access.
6. Before applying power, the installer must check that all the wires are securely fixed by tugging on each wire.
7. Do not install the P1/A1/TIC SMART CONNECT where the temperatures can be below -25°C or above 75°C , excessive moisture, dust, salt spray, or other contamination. The device requires an environment no worse than pollution degree 2 (normally only non-conductive pollution; an occasionally temporary conductivity caused by condensation must be expected).
8. Do not drill mounting holes in the device. Click the module on a DIN Rail instead.
9. When the P1/A1/TIC SMART CONNECT is installed incorrectly, the safety protections may be impaired.

1.8. Certifications

Date	Accreditation Centre	IP Code	Kind

2. Technical specifications



The Smart A1/P1 Connect is multifunctional and contains:

- 1 x RJ45 Output:
Supports 10/100BASE-T Ethernet via Ethernet PHY
- 1 x USB-c Power Supply
- 2 x RJ12
One input and one output (P1 ext.)
- Build-in Wi-Fi
- 1 x multi-coloured LED
- 1 x Button

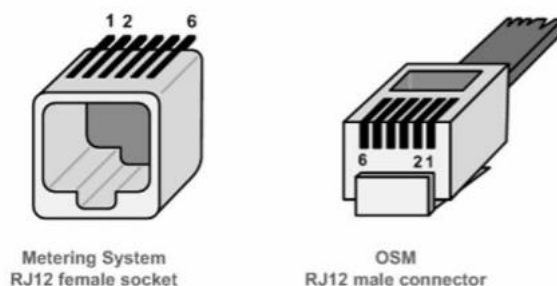


The Smart TIC Connect is multifunctional and contains:

- 1 x RJ45 Output:
Supports 10/100BASE-T Ethernet via Ethernet PHY
- 1 x USB-c Power Supply
- 1 x Phoenix 2-pin female connector
- Build-in Wi-Fi
- 1 x multi-coloured LED
- 1 x Button

2.1. RJ12 - P1/A1 in P1/A1 ext.

The P1 ext port works as a A1 or P1 splitter device in case the an additional Smart connect needs access to the data (such as Homewizard or Homey). When using the P1/A1 ext port, extra power must be supplied by a USB-C power supply. An exact copy of the P1/A1 in is given through this connection.



2.2. Télé Information Client (TIC)

The TIC connector follows the Specifications from *Enedis-NOI-CPT_54E*. The power pin is not used.

2.3. LED

This section describes the behavior of the multi-colored LED. The table below shows the LED states of the Smart Connect during normal operation. Other LED behavior can be found in the *Troubleshooting section*.

State	Color	Pattern	Description
Off	-	-	Module not powered
Powerup	Red	Continuous	Module booting
Normal Operation	Green	Continuous	Smart Connect receives P1/A1/TIC data; Network is connected and configured. Providing Modbus TCP or MQTT data.
AP mode	Blue	Blinking	Module in AP mode

2.4. Button

The Button has the following characteristics when pressed:

Action	Description
Momentary press (< 2 seconds)	Soft reset, reconnect to network
Hold (5 seconds)	AP mode, only available when the device is in factory defaults state.
Hold (>10 seconds)	Reset to factory defaults

2.5. Power input

The table below describes in when an external USB-C power supply should be used.

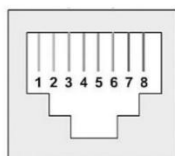
Usage	No	Yes
P1/A1 IN (SMR5.x)	✓	
P1/A1 IN (DSMR4.2)		✓
P1/A1 OUT		✓
TIC IN		✓

USB-c power when not purchased from Xemex, needs to fulfil the following criteria:

Description	Min	Typ	Max	Unit	Remarks
Voltage Range	4,5	5	5,5	[VDC]	
Ripple voltage			100	[mV]	Maximum input ripple
Input current			2.0	[A]	Including maximum current needed when using P1 ext.
Input power			3	[W]	According to the EU USB-C norm

2.6. RJ45 – ethernet port

The connector is shielded and contains small LEDs, according to IEEE 802.3 specification.



RJ45 connector – orientation



3. Installation instructions

3.1. Guidelines for safety and installation



This installation guide must be consulted in all cases when manipulating parts which are marked with the Caution symbol.

The installation and the operation of this device and any maintenance must be carried out by a qualified person in accordance with specific local standards and safety regulations.



Caution: never open the secondary circuit of a Current Transformer while current is flowing through the primary circuit!

If the secondary circuit is opened when primary current is flowing, then the voltage will go to a very high value, possibly causing electrical arcing and/or electrical shock to service personnel. Therefore CT's with internal TVS must be used.

Failing to obey the "Guidelines for safety and installation", the warranty no longer applies.

3.2. Mounting

Mount the device on a flat, vertical surface using the two screw holes on the side of the device. Ensure the device is securely fastened to avoid movement or vibration during operation. The device should be installed indoors, away from direct sunlight, moisture, or excessive dust.

Maintain a minimum clearance of 5 cm around the device for ventilation and cable management.



3.3. Electrical wiring

The device is equipped with the following ports:

P1/A1 Ports (RJ12)

The device includes both a P1/A1 input and a P1/A1 output port using RJ12 connectors.

The P1/A1 input port is designed to connect to a smart meter in accordance with DSMR specifications. Use a suitable RJ12 cable and connect it with care. Ensure proper orientation of the connector and avoid bending or damaging the pins. See section 2. for technical specifications.

The P1/A1 output port allows for the connection of a second P1/A1 device (daisy-chaining). This function requires USB-C power to be connected in order to supply sufficient power to both the smart meter and the additional P1/A1 device. See section 2.5 for more information.

USB-C Port

This port provides power to the device. It is mandatory to connect a USB-C power supply when using the P1/A1-OUT function. Refer to section 2.5 for power specifications. Always use certified USB-C power supplies and cables to ensure safe and reliable operation.

RJ45 Ethernet Port

Used for network connectivity via a standard Ethernet cable (minimum CAT5e). Ensure a stable connection to a switch, router, or directly to a charging station. For pin configuration and electrical specifications, refer to section 2.6 .

4.Maintenance and Service

There are no serviceable parts inside. Clean the unit with a dry cloth.



5. Software

5.1. Configuring Through the Web Interface

To ensure proper communication between the P1/A1/TIC Smart Connect and your local network, you may need to configure the network settings through the built-in web interface.

This section explains how to access the Smart Connect interface and adjust Ethernet, Wi-Fi, and MQTT settings as needed.

Connect to the Smart Connect

First commissioning: initial setup

The Smart Connect can be commissioned in two different ways:

- Option A: Ethernet (wired connection)
- Option B: Wi-Fi (Access Point mode)

Option A – Ethernet Connection

1. Use the A1/P1 straight cable provided with the Smart Connect, connecting one end to the device and the other to the P1/A1 port of your smart meter.
2. Plug the Smart Connect into the network with an Ethernet cable.
3. Wait for it to boot. By default, it requests an IP address via DHCP.

If no DHCP server is found, the Smart Connect assigns itself a link-local (APIPA) address in the 169.254.x.x range for easier provisioning.

Option B – Wi-Fi Connection (Access Point Mode)

1. Use the A1/P1 straight cable provided with the Smart Connect, connecting one end to the device and the other to the P1/A1 port of your smart meter.
2. If the Smart Connect is in factory default state, press and hold the button for 5 seconds until the LED starts blinking blue.
 - The device is now in Wi-Fi Access Point (AP) mode.
3. When in AP mode, the Smart Connect broadcasts its own Wi-Fi network:
 - SSID: SC-xxxxxxxxxxx
 - Password: (unique WPA2 key, printed on the sticker)
 - IP range: 192.168.71.x (Smart Connect acts as DHCP server)
4. Connect your smartphone or laptop to this Wi-Fi network.



Open the web interface

On a device that is on the same local network, open any web browser and navigate to one of the following:

1. <http://smart-connect.local>
 - Works for direct connections (Wi-Fi hotspot or Ethernet-to-Ethernet).
 - Requires mDNS support on the client device (Windows 10+, macOS, iOS, Linux).
 - This URL cannot be used directly for the secure configuration environment but provides a link to it.
2. <http://smart-connect>
 - Works if the Smart Connect has obtained an IP address from your router via DHCP.
 - Does not work when directly connected (AP or hotspot mode).
3. Direct IP address
 - Example: <http://169.254.164.254> (link-local) or the DHCP-assigned IP.

Configure Network Settings

Once connected to the smart connect's web interface (e.g., <http://smart-connect.local> or its assigned IP address), you can configure how the Smart Connect communicates with your network.

Choose Connection Type

- Option A: Ethernet (wired)
- Option B: Wi-Fi Client (wireless)

SmartConnect Configuration

The screenshot shows the 'SmartConnect Configuration' web interface. It has a 'Status' section at the top with 'System' (Meter) and 'Network' (Active interface: Ethernet) status indicators. Below this is a 'Network settings' section. Under 'Network connection', 'Ethernet' is selected with a radio button, and 'Wi-Fi' is unselected. Under 'IP Mode', 'DHCP' is selected with a radio button, and 'Static IP' is unselected. A blue 'Save network settings' button is at the bottom.

Only one connection type can be active at a time. Switching from Ethernet to Wi-Fi will disable the Ethernet interface, and vice versa.



Option A: Ethernet

1. Choose IP Configuration Mode:
 - DHCP (Dynamic IP Address)
The Smart Connect automatically requests an IP address from your router
 - Static IP (Manual IP Address)
Use when you require a fixed IP (for example, when directly connected to an EV charger or industrial controller).
2. If using Static IP, enter:
 - IP Address (e.g., 192.168.10.101)
 - Subnet Mask (typically /24 = 255.255.255.0)
 - Gateway (router or EV charger IP)
 - DNS Server (can be the same as the gateway)
Tip: If directly connected to an EV charger, enter the charger's IP for both Gateway and DNS.
3. Click Save.
4. Reboot the Smart Connect.

Option B: Wi-Fi Client

If using Wi-Fi instead of Ethernet, the smart connect must be configured to connect to the customer's local wireless network.

- 1) Enter Wi-Fi Network Details *
 - SSID (Wi-Fi network name)
 - Password (Wi-Fi network password , WPA2-PSK only)
- 2) Choose IP mode (see settings by Ethernet DHCP or Static).
- 3) Click Save.
- 4) Reboot the Smart Connect.

After a successful Wi-Fi connection, AP mode is automatically disabled.

** Note: The Smart Connect supports only 2.4 GHz Wi-Fi networks (802.11 b/g/n). 5 GHz networks are not supported.*



The smart connect does not support IPv6. Ensure that the network or charger communicates over IPv4 only.

If DHCP fails (e.g., no response after 3 attempts), the smart connect will automatically assign itself a link, local IP address in the range 169.254.x.x to allow configuration without internet.

Network behaviour

- **Hostname:** smart-connect-<serial number>
→ This name may appear in your router's device list.
- **MAC addresses:** Unique per device, printed on the sticker.
- **DHCP client:** By default, the Smart Connect requests an IPv4 address via DHCP.
 - If no DHCP server is found (after 3 attempts), it falls back to a local IP in the range 169.254.x.x.
 - IPv6 is not supported.
- **mDNS:** The Smart Connect responds to smart-connect.local.
 - Supported on Windows 10+, macOS, Linux, iOS.
 - Redirects to the secure configuration page.
- **Wi-Fi Access Point Mode (AP Mode):**
 - Out of the box, and after a factory reset action, the smart connect starts in access point mode if the button is pressed for 5 seconds.
 - SSID: SC-<serial number>
 - Password: printed on device sticker (random WPA2 key).
 - Encryption: WPA2-PSK.

Configure MQTT Settings (Optional)

The smart connect supports secure MQTT communication to transmit real-time energy data and receive remote commands such as firmware updates. MQTT settings can be configured via the web interface or the HTTP configuration API. Follow these steps to configure the MQTT connection:

MQTT Connection

- **Protocol:** MQTT over TLS (mTLS)
- **Default broker:** mqttts://broker.xemex-cloud.eu:8883
- **Site:** Optional identifier for the installation



The Xemex broker is available in Q1 2026



Authentication

1. Mutual TLS (mTLS) – Default & Recommended

- The smart connect uses its built-in device certificate to authenticate with the broker.
- The certificate's CN field contains the smart connect's serial number.
- The broker validates the smart connect automatically using trusted root CAs.
- Note: Correct date and time are required; otherwise MQTT will not work.

2. Username & Password (Optional)

- This method can be enabled if you are using your own broker without mTLS.
- Username and password can be set via the **web UI** or the **HTTP API**.

Data Transmission (Smart Connect → Broker)

- The smart connect publishes a message every time a new P1/A1/TIC telegram is received and parsed.
- The payload is a JSON object containing only **instantaneous values** (no cumulative counters).
- Fields not available in the telegram are reported as null.
- Each message includes a **timestamp** in UTC Unix epoch format.
- Example topic structure:
- devices/<site>/smart-connect/<serial>/data/...

Configuration via Web Interface

1. Log in to the smart connect's web interface.
2. Go to **MQTT Settings**.
3. Choose whether to use the default Xemex Cloud broker or enter your own broker address.
4. If required, provide Username and Password (only for custom brokers).
5. Click **Save MQTT Settings**.
6. Reboot the smart connect to establish the MQTT connection.

The screenshot shows a web interface for configuring MQTT settings. It is titled 'Cloud settings' and contains two main sections: 'MQTT' and 'MQTT settings'. In the 'MQTT' section, there are two radio buttons: 'Enable MQTT' (which is selected) and 'Disable MQTT'. The 'MQTT settings' section contains several input fields: 'Broker URL (e.g. "mqtt://broker.example.com:8883")' with the value 'mqtt://broker.xemex-cloud.eu:8883', 'Username (leave empty for mTLS auth):', 'Password:' (with a 'Show' button), and 'Site (optional identifier used in topic):'. At the bottom of the form is a blue button labeled 'Save MQTT settings'.



5.2. HTTP Configuration API

The Smart Connect provides an HTTP-based API for configuration and firmware management.

Authentication

Access to the API requires Basic Authentication.

- **Username:** user
- **Password:** printed on the device label

Only one user session is allowed at a time.

Endpoints

The API supports the following endpoints:

Endpoint	Methods	Description
/api/v1/config	GET, PATCH	Retrieve or modify device configuration parameters
/api/v1/firmware	GET, POST	Retrieve firmware version and status, or trigger a FW update
/api/v1/status	GET	Retrieve current device status information
/api/v1/reset	POST	Soft reset, reconnect to network
/api/v1/telegram	GET	Retrieve the P1 telegram from the device.

Configuration Endpoint

The **"/api/v1/config"** endpoint allows reading or updating the device configuration via HTTP requests.

GET – Read Configuration

A GET request returns the full configuration of the Smart Connect as a JSON object.

This includes network settings (Ethernet and Wi-Fi), MQTT configuration, and the Modbus meter type.



Example GET response:

```
{
  "MeterType": "PhoenixContact-EMPro",
  "DefaultNetIf": "WiFi",
  "Ethernet": {
    "IpMode": "Static",
    "StaticIPv4": {
      "IpAddress": "192.168.10.101",
      "Netmask": "24",
      "Gateway": "192.168.10.1",
      "DNS": "192.168.10.1"
    }
  },
  "WiFi": {
    "IpMode": "DHCP"
  },
  "MQTT": {
    "Broker": "mqtt://broker.xemex-cloud.eu:8883",
    "Site": "site",
    "Username": "username",
    "Password": "password"
  }
}
```

PATCH – Update Configuration

A PATCH request is used to update one or more configuration parameters.

Only the specified fields are changed — all other settings remain unchanged.

Example PATCH request (update MQTT configuration):

```
{
  "MQTT": {
    "Broker": "mqtt://broker.xemex-cloud.eu:8883",
    "Site": "site-new",
    "Username": "user-new",
    "Password": "newpassword"
  }
}
```



5.3. Modbus TCP/IP

The A1/P1/TIC smart connect acts as a bridge between a smart meter and an EV charging station or energy management system by exposing live electrical measurements over **Modbus TCP/IP** on port 502. This service becomes available on the IP address obtained via DHCP or configured statically during setup.

General information

- Protocol: Modbus TCP/IP
- Port: 502 (default Modbus TCP port)
- IP Address: Assigned via DHCP or configured statically (see Network Configuration)
- Maximum Connections: Only one TCP client connection is supported at a time
- Unit Identifier (Slave ID): Ignored – the smart connect responds regardless of Unit ID
- Register Update Frequency:
 - SMR 5.0+: Every 1 second
 - DSMR 4.2: Every 10 seconds

Function codes

The Modbus TCP/IP interface supports the following function codes:

- 0x03: Read holding registers
- 0x04: Read input registers

Both function codes return the same data. The smart connect does not distinguish between holding and input registers.

Register Map

The smart connect emulates a **Phoenix Contact EMPro** meter (EEM-MA370 & EEM-MA371).

Register Addres (Hex)	Length	Unit	Data Type	Description
0x8006	2	Volt	Float32	Line voltage L1 (U1)
0x8008	2	Volt	Float32	Line voltage L2 (U2)
0x800A	2	Volt	Float32	Line voltage L3 (U3)
0x800E	2	Ampere	Float32	Current L1 (I1)
0x8010	2	Ampere	Float32	Current L2 (I2)
0x8012	2	Ampere	Float32	Current L3 (I3)
0x8016	2	Watt	Float32	Total active power
0x801E	2	Watt	Float32	Active power L1
0x8020	2	Watt	Float32	Active power L2
0x8022	2	Watt	Float32	Active power L3



Data Format: IEEE 754 Floating Point (32-bit, 2 Modbus registers per value)

Byte Order: Big Endian per register, with word-swapped register order (also known as "Big Endian, Word Swap" or "AB CD → CD AB")

The register map is **updated automatically** each time a new telegram is received on the A1/P1/TIC interface.

When multiple registers are read in a single request, all returned values are warranty to originate from the **same telegram**, ensuring consistent snapshots.

Protocol-Specific limitations

DSMR 4.2 (Netherlands/Belgium)

- Data is updated every 10 seconds (compared to 1 second for SMR 5.0+).
- Voltage information is not available — voltage values will return 0 in Modbus.

TIC (France)

- Active power per phase cannot be negative. When power is exported to the grid:
 - o Total active power will show a negative value (as expected).
 - o Per-phase active power will return 0 W, even if export is occurring on that phase.

These limitations are due to the DSMR and TIC protocol specifications and are not caused by the smart connect itself.

6.Accessories

External Power supply

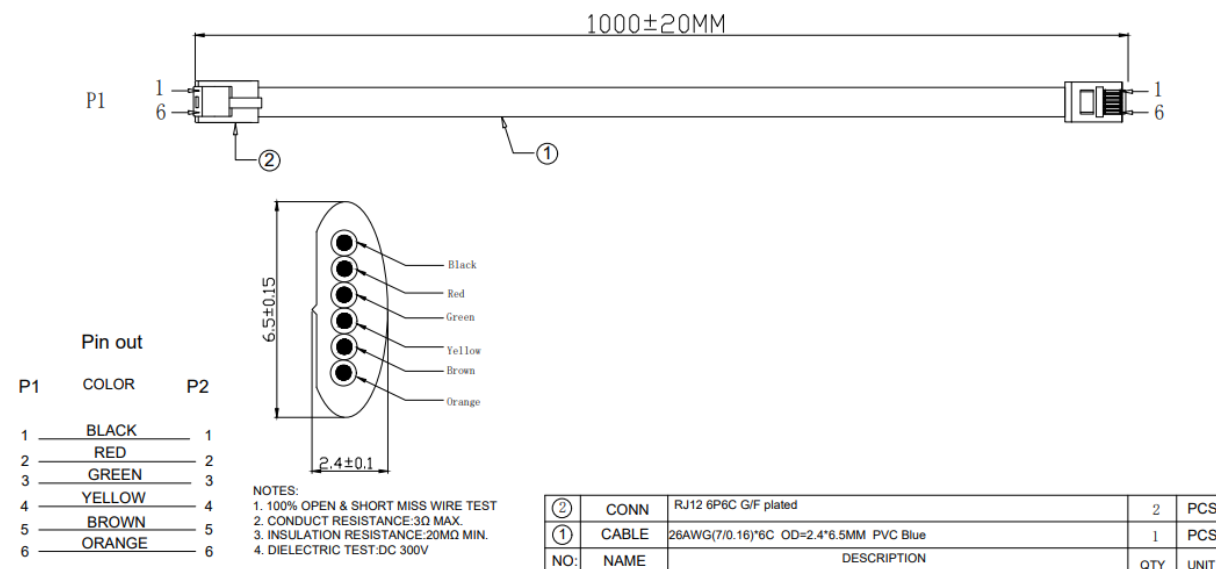
An external power supply can be connected to the Smart connect on its USB-C interface.

For the specific requirements to which an external power supply should comply see chapter: Power input.

It can also be purchased from Xemex (Article 530-333).

P1 Cable

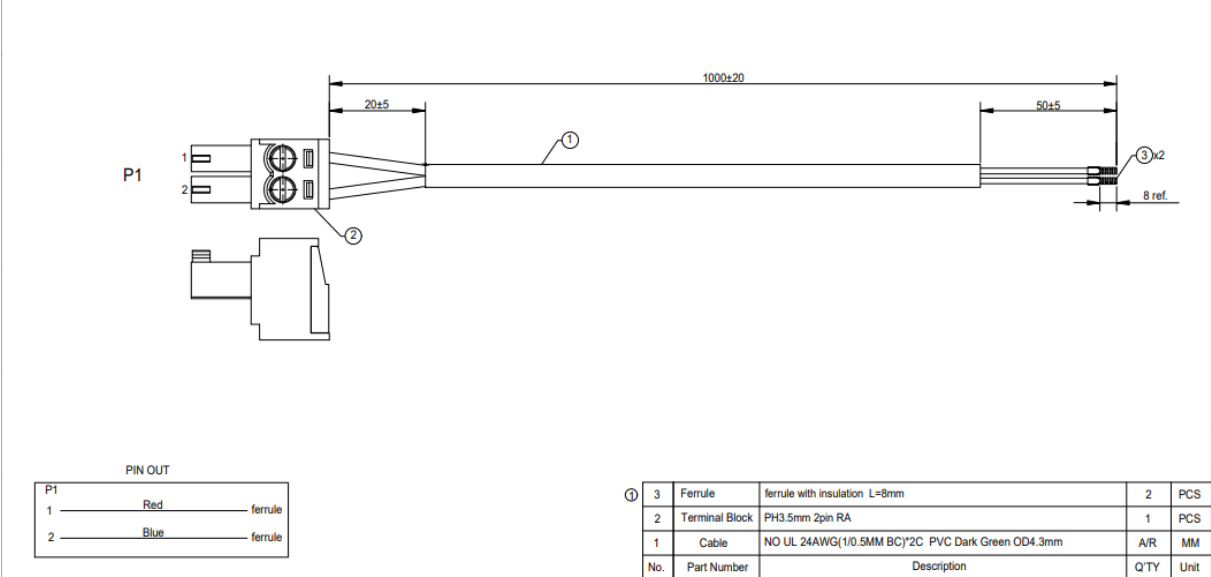
The straight P1 cable with a length of 1 meter can be purchased from Xemex (Article 520-035) or sourced by yourself according to the following specification:





TIC Cable

The P1 cable with a length of 1 meter can be purchased from Xemex (Article 520-036) or can be sourced according to the following specification:





7. Trouble Shooting

Issue/fault	Possible Cause	Solution
No LED light	- No power via P1 (only available on SMR5) - Faulty USB adapter or RJ12 cable	- Connect USB-C power (required for DSMR4.2) - Use a reliable 5V USB power adapter and check RJ12 cable for damage
LED blinking red/green (1Hz) = No P1 data	- Incompatible smart meter (DSMR < 4.2) - Incorrect or damaged RJ12 cable - P1 port not activated	- Use DSMR 4.2 or higher only - Ensure RJ12 is a straight-through cable with right pin out and check for damage - Request activation of P1 port from grid operator
LED blinking blue/red(1Hz) = no P1 data	- P1 data is missing - Smart connect in AP mode	- configure Wifi - Use DSMR 4.2 or higher only - Ensure RJ12 is a straight-through cable with right pin out and check for damage - Request activation of P1 port from grid operator
LED blinking green/orange (1Hz) = No IP address	- No network connectivity - Faulty or incorrect Ethernet cable - No IP via DHCP	- Test cable with a laptop or switch - Check that the router provides DHCP and optionally set static IP via web interface (/config)
LED blinking red/orange (1Hz) = No data and no IP	- Both P1 data and network connection are missing	- Follow solutions from the two rows above
LED changes color continuously	- Smart Connect is initializing	- Wait for startup to complete (LED should turn green)
Smart Connect crashes or restarts often	- Unstable power supply - Overload on P1_OUT	- Use a stable USB power source (5V 1A+) - Avoid powering external devices via P1_OUT
EV charger not receiving data	- Smart Connect and charger not on same subnet - Incorrect network configuration - Wrong TCP port used	- Ensure both devices are on the same local network - Check IP settings via /config - Verify that Modbus TCP port 502 is used
Voltage reads as zero	- DSMR 4.2 does not support voltage values	- No issue. This is normal behavior for DSMR 4.2 meters



8. Decommissioning and Disposal

Please follow this sequence for uninstalling the device.

1. Disconnect the P1 cable by pressing down the on the latching tab and gently pulling the P1 cable out of the jack.
2. Disconnect the Ethernet cable by pressing down the on the latching tab and gently pulling the ethernet cable out of the jack.
3. If connected remove the power cable from the device.

For the disposal of the device observe the local disposal and environmental protection regulations in effect without fail.

Based on the data specified in environmental certificate ISO 14001, the components used in the device are largely separable and can therefore be taken to the relevant disposal or recycling point.

Components	Disposal
Printed circuit boards	Electronic waste: disposal according to local regulations.
Metal parts	Sorted and taken to collective materials disposal point.
Plastic components	Sorted and taken to recycling (regranulation) plant.



9. Technical Support

Technical Support Contact Information

For any technical issues or inquiries, our dedicated support team is available to assist you. Please use the following contact methods to reach out for assistance:

Email Support

For general inquiries, troubleshooting, or technical assistance, please email our support team at: support@xemex.eu Please provide a detailed description of the issue, serial number, along with any relevant screenshots or error messages to expedite the resolution process.

Phone Support

If you prefer to speak directly with a technician, you can reach us at:

+32 32 01 95 95

Our phone support is available Monday to Friday within regular business hours. If your request falls outside of business hours, please leave a ticket throughout our support portal.

Support Portal

For access to FAQs, troubleshooting guides, and ticket submission, visit our dedicated support portal at:

<https://xemex-support.freshdesk.com/nl/support/home>

Social Media

For any non technical related information visit us via our official social media channels:

Website: www.xemex.eu

Linkedin: <https://www.linkedin.com/company/xemex/posts/?feedView=all>