Sagemcom



XP6000

Multi-energy data concentrator
for AMI infrastructure

The **XP6000 platform** is a device primarily designed for **Smart Metering / Smart Grid** to manage a fleet of multi-energy smart meters, smart grid sensors (RF or IoT). Through OFDM-PLC power line coupling protocol as defined into ITU-G series, IoT Technologies (**WIZE** or **LoRaWAN**), it gathers and treats that information and passes them to the information system in gateway / data concentrator modes.

Technical features

GENERAL CHARACTERISTICS

- Embedded PLC modem, in compliance to G3-PLC or PRIME-PLC
- Optional WiZE or LoRaWAN modems
- 2x WAN Ethernet socket
- 1x Extractible WAN modem (GSM/GPRS, UMTS, LTE)
- Optionally simple, double SIM or chip SIM
- Internal RTC with internal backup
- Top cover and terminal opening detection
- Metallic sealing
- Internal backup power supply for last call management
- Embedded Hardware Secure Module
- Integrated Current Transformer metrology (including metrological LED) for Smart Grid application
- LCD associated button
- Duration life 15 years

MECHANICAL CHARACTERISTICS

- Housing: class II with double isolation
- Mechanical resistance (EN 62262): IK07
- Dimensions (Height x Width x Depth): 183x176x92 mm
- Weight: 900g
- Mounting:
  - DIN rail according to IEC 60715 type TH 35-15
  - Screws

ENVIRONMENTAL CONDITIONS

- Operating range: -25 C to + 70 C
- Storage and transportation: -40 C to +70 C
- Humidity: ≤ 95 % at +40 C
- Mechanical protection (IEC 60529): IP51
- Safety – Flammability level: 5VB

ELECTRICAL CHARACTERISTICS

- Reference voltage: 1x230V or 3x230V / 400V
- Frequency: 50 – 60 Hz
- Current: 5(10) A
- Average consumption: 10W / 65 VA without communication
- Operating reserve: product not affected by power cuts lasting less than 500ms
- Internal power supply backup: maintain functions during 1min

METROLOGY CHARACTERISTICS

- Accuracy Class
  - Active Energy (EN 50470-3): B
  - Reactive Energy (IEC 62053-23): 2
- CT ratio: Configurable. Default = 1
- Metrology LED:
  - Active Energy 1Wh/imp
  - Reactive Energy: 1varh/imp

HARDWARE ARCHITECTURE

- PLC modem: G3-PLC Technology
- RF modem: WiZE or LoRaWAN Technology
- Extractible WAN modem: connection with remote SI via mobile network. Equipped with dual SIM on single wireless modem
- WAN Ethernet interface: can operate in 10BASE-T and 100BASE-T, half and full duplex
- Local Ethernet interface: 100Mbps for local equipment configuration. Can operate in 10BASE-T and 100BASE-T, half and full duplex
- LCD/Button: used to display/monitor the XP6000 status

All rights reserved. The information and specifications included are subject to change without prior notice. Sagemcom Energy & Telecom tries to ensure that all information in this document is correct, but does not accept liability for error or omission. Non contractual document. All trademarks are registered by their respective owners. Simplified joint stock company Capital 36 626 034,60 Euros - 518 250 337 RCS Nanterre. 10/2026

Sagemcom Energy & Telecom SAS
Headquarters : 4 allée des Messageries
92270 Bois-Colombes - FRANCE
Tel : +33 (0)1 57 61 10 00 - Fax : +33 (0)1 57 61 10 01

www.sagemcom.com