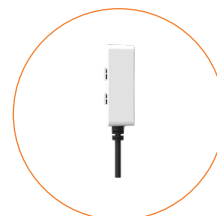
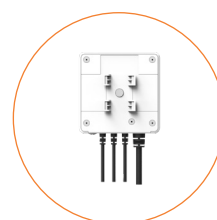
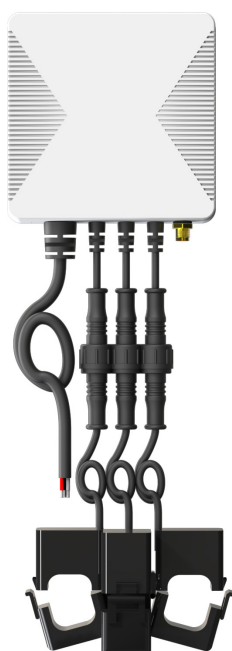


Products

– Energy Control & Management

PC321

Single/3-phase Power Clamp



Description

PC321 ZigBee Power Clamp helps you monitor the amount of electricity usage in your facility by connecting the clamp on to the power cable. It can also measure Voltage, Current, PowerFactor, ActivePower.

Main Features

- ZigBee 3.0 compliant
- Extend the range and strengthen ZigBee network communication
- Single/3 - phase electricity compatible
- Three current transformers for Single phase application
- Measures real-time Voltage, Current, PowerFactor, ActivePower and total energy consumption
- Statistical historical energy consumption
- Suitable for both residential and commercial application
- Optional antenna to enhance the signal strength
- Lightweight and easy to install

Main Specifications

Wireless Connectivity	
ZigBee	• 2.4GHz IEEE 802.15.4
ZigBee Profile	• ZigBee 3.0
RF Characteristics	• Operating frequency: 2.4GHz • Range outdoor/indoor: 100m / 30m • Output Power: Up to +19dBm
Antenna	• Internal Antenna (default) • External Antenna (optional)
Physical Specifications	
Operating Voltage	• 100~240 Vac 50/60 Hz
Power consumption	• < 1W
Calibrated Metering Accuracy	• ≤ 100W Within ±2W • >100W Within ±2%
Reporting Cycle	• Minimum:10s (Power change ≥ 1%) • Maximum:1min (Power change < 1%) Note: It's available to set the threshold percentage on the App
Data storage	• 3 years on server
Clamp diameter	• 80A (default): 10mm • 120A (optional): 16mm • 200A (optional): 20mm • 300A (optional): 24mm
Electrical parameters measured	• Irms, Vrms, Active Power & Energy, Reactive Power & Energy
Work with gateway	• SEG-X1: Support up to 20 pcs of PC321 • SEG-X3: Support up to 10 pcs of PC321 Note: The values are for reference only
Operating environment	• Temperature:-20 °C ~+55 °C • Humidity: ≤ 90% non-condensing
Dimension	• 86(L) x 86(W) x 37(H) mm
Weight	• 415g