

# Smart Data Concentrator for AMI Applications

This smart data concentrator is designed for advanced metering infrastructure (AMI) applications. It supports communication with smart meters, collecting and aggregating data for central server transmission.



## Product Overview

### Smart Data Concentrator for AMI

The CGZ040-1j serves as a critical communication node within advanced metering infrastructure (AMI) and automated meter management solutions. By acting as a bridge, it seamlessly manages communication with smart meters on the downlink while facilitating reliable data transfer to utility system software via the uplink. Designed for efficiency, this unit aggregates complex metering data to ensure robust system visibility.

## Technical Specifications

Rated Voltage	3 x 230/400V
Operating Frequency	50 Hz

## Connectivity

### Network Functions

- Downlink: Manages meters and peripheral devices
- Uplink: Facilitates server communication
- Data Aggregation: Concentrates meter data for system software

Interface Types	PLC Downlink, GPRS Uplink, RS485, LAN
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## Regulatory and Compliance

### Application Scope

AMI • AMM • AMR