



CG502EDCU

Introduction

The CG502EDCU Data Concentration Unit a IEEE 802.15.4 standard radio transceiver for communication with CG502EMIU Meter interface Unit. It collects all MIU data and communicate with utility company via GPRS, PSTN or LAN.

Features

- Support 800 meters.
- Built-in storage memory 2G bytes.
- Hardware monitoring by self diagnosis.
- Real time clock sync. With time shift control & event log.
- RJ45, RS232, RS485, PSTN, GPRS and LAN ports.
- Meter, MIU, DCU event log.
- Time & Date.
- Ad-Hoc register reading.
- Load profile.
- Last reading.
- Register reading recount.
- Automatic network establishment .
- Support add, remove and replace of MIU and meters.
- Support HDU 2 way communication with utility.
- AES 128 bit encryption.
- AMR or AMI application.
- Secure, reliable, license-free radio communication.
- Support external antenna.
- Adjustable antenna angle.
- Allow signal cable connection for external antenna installation.
- Case, cover open detection.
- LED indicator, operation, status, error.

Specification

Physical Specification	
Dimensions:	150x255x53mm (H x W x D)
Weight:	0.5KG
Radio Specification	
Operation frequency:	2.4Ghz
Communication:	Two-way, DSSS
Sensitivity:	-110dBm(with a BER of below 0.1% at 250Kbps)
Data rate:	Up to 250kpbs
Range:	Up to 1Km (open area)
Environmental	
Operating temperature:	-10 to +70deg C
Power Supply	
AC Power source:	AC 220-240V, 50Hz (or AC120V +/-10%, 60 Hz for USA)
	RoHS (2002/95/CE) Bidirectional ZigBee ® chipset Standard IEEE 802.15.4 – 2.4Ghz / AES 128 Bit Warranty 1 Year