



SX5D1-AEOT-14

Smart Data Concentrator

Sanxing concentrator is a smart concentrator for smart meter and AMI system. The basic function of data concentrator is to collect data, including profile data and event, from meter and deliver the data to master station. The data can also be store in data concentrator for later requested by master station.

Key Feature

- Comply with multiple communication channel, GPRS/3G/PLC/RF/ZigBee.
- Modular designed in both hardware and software. This makes introducing new technology and protocol easily and flexibly in the future.
- Advanced ARM9 hardware module, powered by LINUX embedded operating system.
- Secure communication. The connection between master station and data concentrator is encrypted.
- Mass storage which can storage daily frozen data for one year for one thousand meters.
- Multi-channel reading. One data concentrator can reading residential meter, business meter and transformer meter.
- WEB service for data reading and parameter setting.
- Auto-discover meter, meter event active report.
- Reading meter's monthly/daily frozen data, profile data and events. The reading schedule can be configured by customer.

To Optimize Power Grid Value

Ordinary (Simple-function)
Electricity Meter

Multi-function Electricity
Meter

Smart Electricity Meter

Prepayment Electricity Meter

Automatic Meter Reading
Products

In-home Display Products

Customer Interface Unit
Products



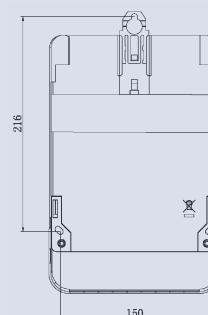
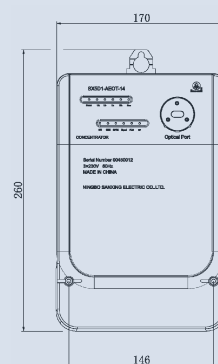
Technical Specifications

CPU	ARM926	
Storage Capacity	256MB	
Memory	32MB	
Max. Operating Freq. (MHZ):	210 MHZ	
Protocol	DLMS/COSEM, DL / T645, IEC60870-5-102	
Voltage Range	3×220V/380V	
Voltage Variation Range	0.8Un~1.2Un	
Current Ratings	Basic Current (Ib)	5A, 10A
	Maximum Current (Imax)	100A
Rated Frequency	50Hz	
Operating Temperature	-35°C~80°C	
Storage Temperature	-25°C~60°C	
Power Consumption	Static power consumption: 5W	
EMC Standards	EN60950, IEC61000-3-8	
Communication Interface	GPRS\PLC\RF\ZigBee	
RTC Accuracy Humidity	≤0.5s/d	
IP Rating	IP51	

Data Transmission Channels

Up-Link Communication	GPRS/Ethernet/RS485/RS232
Down-Link Communication	PLC/ZigBee/RF/RS485/M-Bus
External Interfaces	USB2.0

Dimensions



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