

SX5D1-AEOT-14 Data Concentrator Unit



SX5D1-AEOT-14 data concentrator unit is a key device in AMI system, with strong functionality, edge of computing and storage capability. It not only worked as a gateway for collecting data from electronic, gas, heat and water meters, but also support meter's data storage. Uplink with system through various kind of remote communication technology. Downlink support PLC/RF/RS485, which can help customers decrease communication cost. With advanced technology, It can achieve automatic networking, support flexible data collection scheme to improve KPI performance. More important, it support measurement function so that can work as a balance meter and calculate line loss easily.

Key Features

Electronics

- ARM9 CPU Core, Linux OS.
- 512MB Flash
- Accuracy up to Cl.0.5S[active energy] and Cl.2 [reactive energy].
- Button for display control.
- Lattice LCD (optional)
- Wide operating voltage range, 90V to 400V.
- Optical/RS485/Ethernet/USB for local communication, GPRS/3G/4G/Ethernet for uplink communication, PLC with G3-PLC/HPLC/PRIME, RF with Wi-SUN/Lora, Hybrid(PLC+RF), RS485 for downlink communication.

Functions

- Multi-protocol library and can be easily integrated with third party system.
- Local & remote firmware upgrade
- High secure communication suite 0/1, TLS.
- Interchangeable modules.
- WEB server for data reading/control and parameter setting.
- Automatic networking, up to 1000 meters.
- Mass storage for more than 1 year daily profiles
- Flexible data collection scheme to improve KPI
- Support balance meter.

Housing

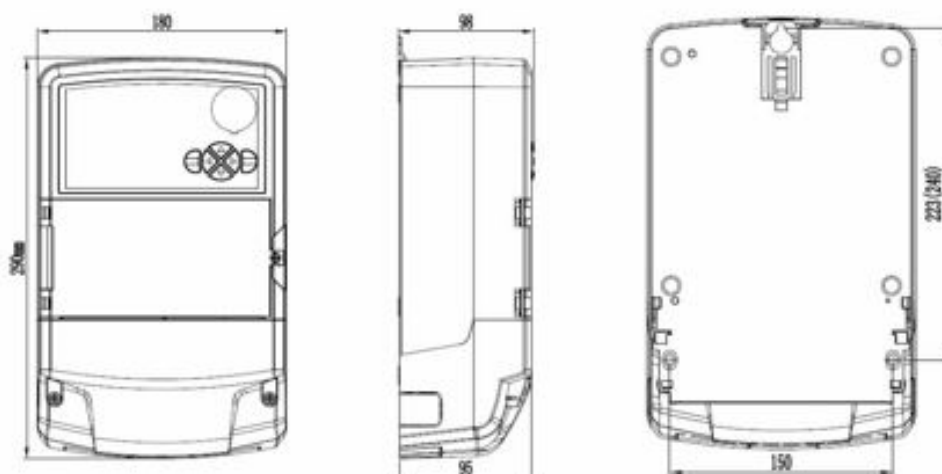
- Polycarbonate with glass fibre , flame retardant and heat-proof
- IP54

Technical Specifications

Model	SX5D1-AEOT-14	
CPU	AMR9	
Storage	Flash	512MB
	RAM	64MB
Accuracy	Active	Cl.0.5S/Cl.1
	Reactive	Cl.2
Voltage	Rated	3×133V/230V 3×220V/380V 3×230V/400V 3×240V/415V
	Range	90V-400V
Frequency	50Hz/60Hz	
Measurement	Range	1 (6) A 1.5 (6) A 1 (10) A
Display	Digits	LED/LCD
Network	Maximum node	1000 meters
Remote communication type	Uplink : 4G/3G/2G/Ethernet Downlink: PLC with G3-PLC/HPLC/PRIME, RF with Wi-SUN/Lora, Hybrid(PLC+RF),RS485	

Dimensions

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