



SEMS

Smart Energy Management Cloud Platform

DataSheet

The Intelligent Energy Management System (SEMS) is used to quickly implement intelligent remote meter reading services. Through SEMS services, global customers can quickly implement remote meter reading services without the need for any development.

- Standard IoT digital SaaS development platform, supporting IEC, ANSI, DL/T-645 meters and other types of meter data remote reading, and can be extended to other IoT devices reading and control.
- Support TCP, UDP, DNS, MQTT, HTTP and other protocols access.
- Support billing data customization function, customers can design their own forms.
- Support large screen customization, customers can design forms according to their own needs.
- Support the customization of business forms and processes.
- Support data warehouse and third-party data subscription synchronization functions.
- Support PC and mobile terminal data access and business processing functions.
- Support various modes such as private deployment and SaaS subscription.

Technical Specifications

Category	Items	Features
Communication	Communication Interface	33G/4G/LAN/HTTP
Standard Support	Supported Standard	IEC 62056-21 / ANSI / ANSI-Type2/DL/T-645
Cloud & Data Support	Supported IaaS	Alibaba Cloud / Google Cloud / Amazon Cloud
	Supported Database	MySQL, Microsoft SQL, Oracle
System Compatibility	Supported System	Linux / Windows / Mac
IoT Device Compatibility	IoT Device Supported	Electric Meter; Water Meter; Gas Meter; Heat Meter; Other Devices (e.g: smart switch)
Billing & Event Management	Billing Determinant	Measured or calculated values used to determine bills, accounting for net energy delivered or received and individual rates
	Event Administration	Receive event flags and execute the desired action
Metering Functions	Virtual Metering	Apply intelligence to aggregate or frame usage or calculate the net energy delivered to consumers participating in renewable energy programs
Data Management	Data Access and Transaction Integrity	Processes and delivers valid and accurate data to/from other utility systems and support of business operations and analytics
	Data Repository/Data Governance	Provides an enterprise-wide data repository of metering and asset information; Governs data versioning, use and access
Interface Customization	Custom Screen	Support custom large screen design to meet personalized requirements
Data Storage	Data Storage Time	~10 Years