



JSON
JavaScript Object Notation



GPRS

Ethernet



Feature

- Online Visual Web with User-friendly Interface
- Powerful Data Collecting & Forwarding Function
Automation collection and multi transmit mode, support Modbus_TCP, JSON and XML, can connect to various cloud software and system.
- Effective and Reliable Data Storage and Management
Build-in SQL, Two-way communication and packet verification, support JSON & XML data packet continue transferring from breakpoint.
- Convenient Batch Configuration, Debugging & Update
To suit distributed deployment & Ethernet management in IoT system, especially large scale system with cloud management.

Function

Data Collect Function

- Support Modbus_RTU, Modbus_TCP device
- Max. 40,000 data points, per device over 200 points
- Max. 4 RS485 ports, each port support 60 slave devices
- 2AI, 4DI, 1DO Port as optional

Data Transmit Function

- 2 Ethernet ports, 1 GPRS for data transmit,
- Support Modbus_TCP protocol
- Support HTTP(s) XML and JSON forwarding format

Alarm Function

- Multiple alarm setting for each device
- Real-time alarm data transmit

Embedded Web Server

- Embedded HTTP web for configuration
- Provide Real-time data view, Cloud service Logs
- Support remote configuration and debugging
- Support remote config file update

Data Logging & Storage

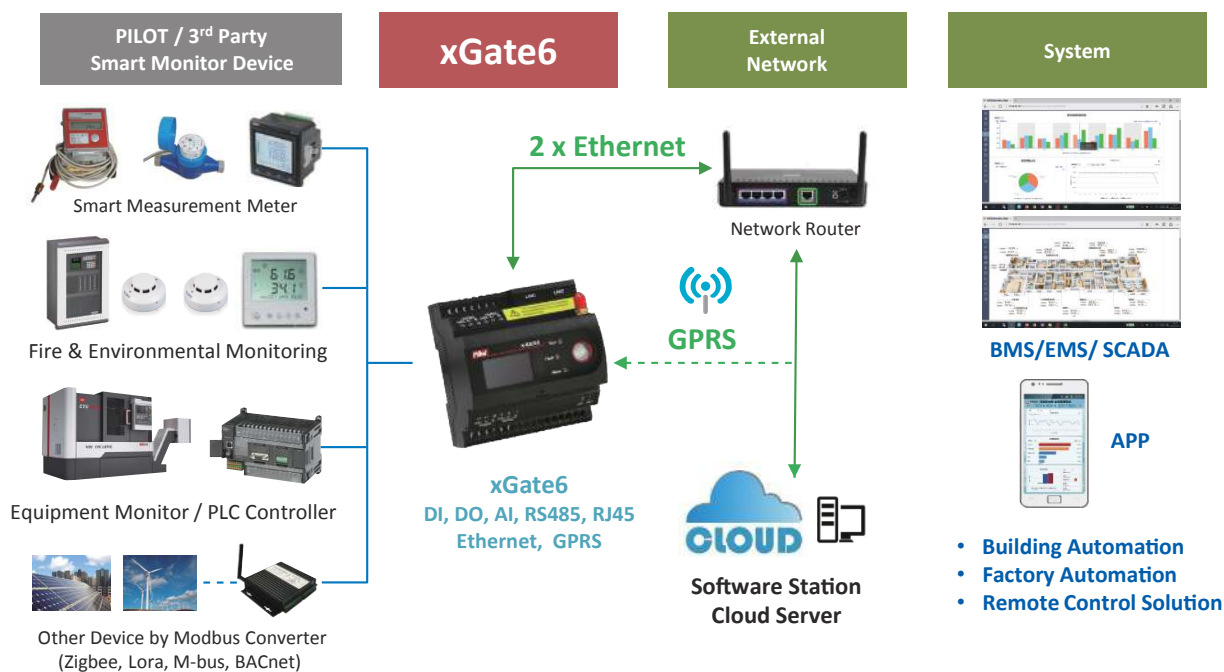
- Build-in SQL data base,
- Historical data & alarm records storage
- Standard 8GB TF card (Max Support 16 GB)

Other Functions

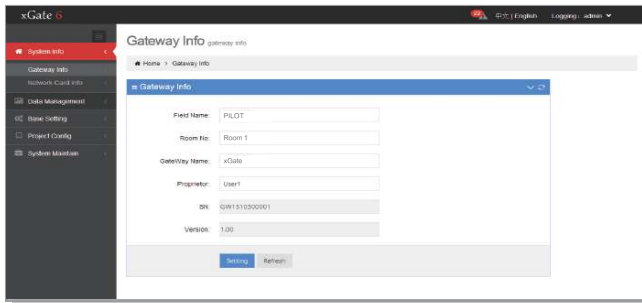
- Online system update, Authority management
- Build-in clock, NTP for timing synchronization

System Structure

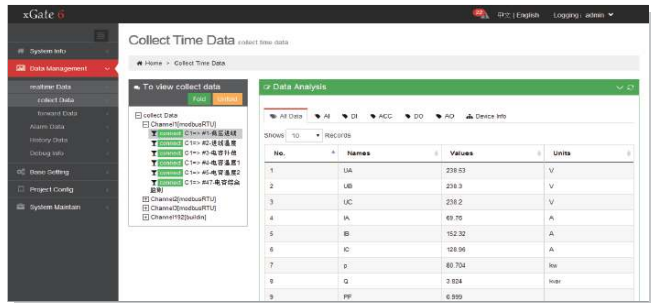
Service Your Smart System



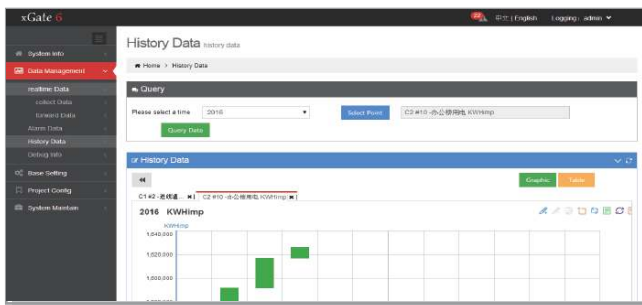
Web Interface



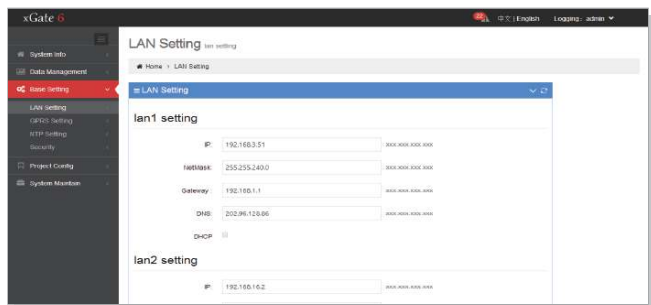
[xGate6 Information](#)



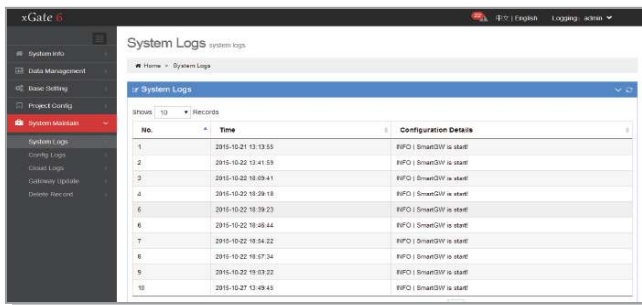
[Real-time Data Inquiry \(U.I.P,kWh,Harmonic etc.\)](#)



[Historical Data Inquiry](#)

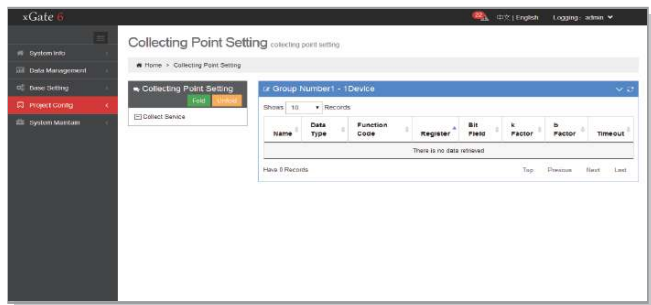


[Setting \(LAN, GPRS, NTP\)](#)

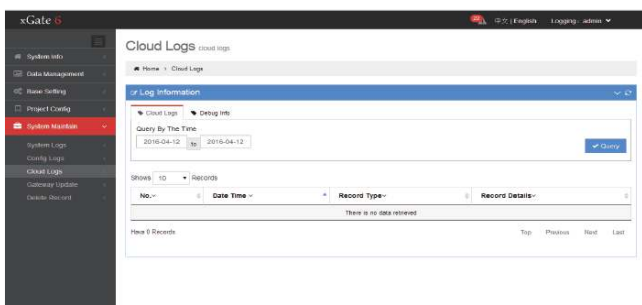


No.	Time	Configuration Details
1	2015-10-21 13:13:53	BPFO Smart3GW is start
2	2015-10-22 13:41:59	BPFO Smart3GW is start
3	2015-10-22 16:09:41	BPFO Smart3GW is start
4	2015-10-22 16:29:18	BPFO Smart3GW is start
5	2015-10-22 16:39:23	BPFO Smart3GW is start
6	2015-10-22 16:46:44	BPFO Smart3GW is start
7	2015-10-22 16:54:22	BPFO Smart3GW is start
8	2015-10-22 16:57:34	BPFO Smart3GW is start
9	2015-10-22 19:03:02	BPFO Smart3GW is start
10	2015-10-27 13:49:43	BPFO Smart3GW is start

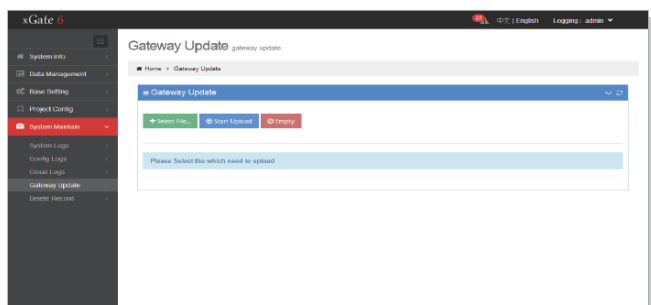
[System Diary & Security \(User Authority Setting\)](#)



[Project Configuration \(Alarm Setting, Data Point setting\)](#)



[Pilot Cloud \(Support Data Analysis\)](#)



[Remote Update the System](#)

Interface and Dashboard

Item	Parameter	Description
COM Port	Port No.	2 Ports / 4 Ports (Optional)
	Port Type	RS485 (Support Modbus_RTU, DLT645 and other customizable protocol)
	Baud rate	1200bps ~ 115200bps (Optional)
	Data Transmit Mode	Master Mode
	Support Connect IED quantity	≤60pcs (4 x RS485, Max 240 Slave device)
USB Port (Standard)	Port No.	1 Port
	Port Type	USB2.0
TF Port (Standard)	Port No.	1 Port
	Port Type	Standard 8G (Max. 16GB) Micro-SD TF card,
Ethernet Port (Standard)	Port No.	2 Ports
	Port Type	10/100M
SIM Port (Extensible GPRS)	Port No.	1 Port
	Port Type	2G SIM card (Dimension 15mmX25mm) (3G/4G as customized)
	GPRS	GSM: 850Mhz, EGSM: 900Mhz (Standard) DCS: 1800Mhz, PCS:1900Mhz (Optional)
AI	Port No.	2 Ports (optional)
	Port Type	DC 4-20mA
DI	Port No.	4 Ports (optional)
	Port Type	Dry contact
DO	Port No.	1 Port (optional)
	Port Type	AC220V/5A DC30V/5A
Power Supply	Input	DC 18~36 V
	Consumption	< 5W
Hardware	CPU	ARM cortex-A8 800MHz
	Memory	DDR3 512MB
	Flash	Nand flash 512MB
	MTBF	≥50,000 hours
Structure	Frame	1.3 inch OLED display
	3 LED Light	indicate Run, Fault & Alarm
	Installation	DIN Rail Mounting
	Size	90*94*68mm
Environment	Working Temperature	-15℃ ~ +55℃
	Storage	-25℃ ~+ 70℃, 5~95%@non-condensing
EMC	Oscillatory waves immunity test Electrostatic discharge immunity test Radiated radio-frequency electromagnetic field immunity (RFEMS) Testing and measurement techniques - Electrical fast transient/burst immunity test Surge immunity test Radio frequency interference immunity Power frequency magnetic field immunity test Electromagnetic emission limits Power frequency immunity	IEC61000-4-12:1995, Level 3 IEC61000-4-2:2001, Level 3 IEC61000-4-3:1998, Level 4 IEC61000-4-4:1998, Level 3 IEC61000-4-5:2005, Level 3 IEC61000-4-6:1998, Level 3 IEC61000-4-6:2001, Level 3 IEC60255-25:2000, Pass IEC61000-4-8:2001, A

LCD Display



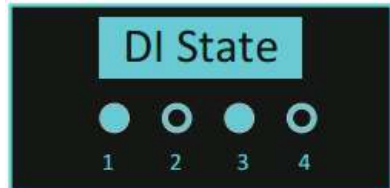
[Time](#)



[Ethernet Port Information](#)



[RS485 Port Information](#)



[DI Status](#)

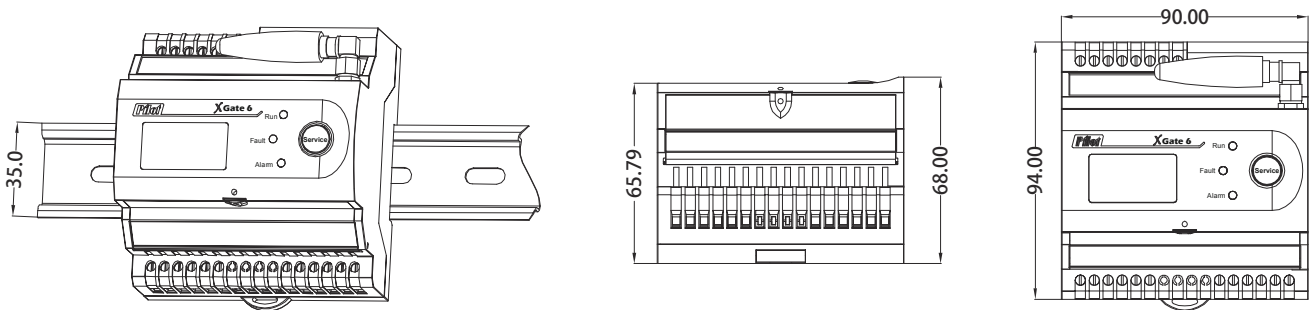


[TF Card Information](#)



[Version Number](#)

Dimension & Installation



Order Information

xGate6 - ① -- ②

2Z	2 RS485, 4 DI, 2 AI, 1 DO
4C	4 RS485
G	1 GPRS

For example:

Customer order xGate6-2Z-G, it means the device has standard 1 USB 2.0 port, 1 8GB TF port, 2 10/100M Ethernet ports, with optional function 2 RS485 ports, 4 DI (Dry contact), 2 AI (4~20mA), 1 DO and 1 GPRS (Support one SIM card)

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Your representative