Four-Faith
四信

3G industrial wireless RTU

- Supervisory Control and Data Acquisition
- Wireless Data Transmission
- Remote Terminal Unit
- Designed for Rugged environment applications

☎ +86 592-5907276
Call Four-Faith to test sample.

Introduction

F2X64 3G industrial wireless RTU is a fully functional, excellent performance wireless remote terminal unit. Integrated industrial RTU and 3G IP MODEM functions, Including analog input, switch input, switch output (relay output, Opticalcoupler isolation output), interface isolation protection, pulse counting, SMS alarm, data connection broken backup and 2.5G /3G transparent data transmission tunnel, ZigBee short distance wireless communication, GPS positioning, etc，It is the best choice of wireless acquisition, transmission, monitoring and control systems.

Application

F2X64 3G industrial wireless RTU can easily be used for water level gauge, rain gauge, flowmeter, pulse water meter, liquid level transmitter, pressure transmitter, temperature transmitter, current transducer, voltage transducer, and other intelligent instruments, realize data acquisition, transmission ,measurement and control.

Water level, precipitation rain fall remote measurement and control

Environmental protection data (air, water, soil) remote measurement and control

Industrial energy consumption (water, electricity and the gas) remote measurement and control

Production data (oil, gas reservoir, reservoir, water saving irrigation) remote measurement and control

Industrial transmission network data (water channels, heat supply network, trachea) remote measurement and control

3G Industrial Wireless RTU

Data remote measurement and control + Wireless data transmission

Designed for rugged environment application development

■ Product Feature

1.High-end equipment, Industry first class device.

· 8 analog input channels (resolution: 24bit) , voltage range (0-5V) ,current range (0-20mA) .
· 8 digital input ports (Voltage range: 3.3V-24V) .
· 4 relay output (5A/30VDC,5A/250VAC) .
· 4 optocoupler isolation digital output ports (10mA) .
· Support 8 digital input and 8 analog input manual query and automatic report.
· 2MB SPI FLASH for data log.
· Industrial cellular module.
· IP30 protection.
· Overvoltage protection、Overcurrent protection and Lightning protection
· Operating Temperature: -25~+65℃ (-13~+149℉) .
· Power Range DC +5~35V ,Wide voltage input.

2.Provide multiple communication mode, Flexible application network deploy

· 2.5G/3G Remote wireless communication.
· ZigBee Short distance wireless communication.
· GPS function.

3.Support multiple protocols

· Support RS232/RS485 MODBUS RTU protocol
· Provide MODBUS over TCP solution
· Provide parameter configuration software , provide SDK for quick user application development.
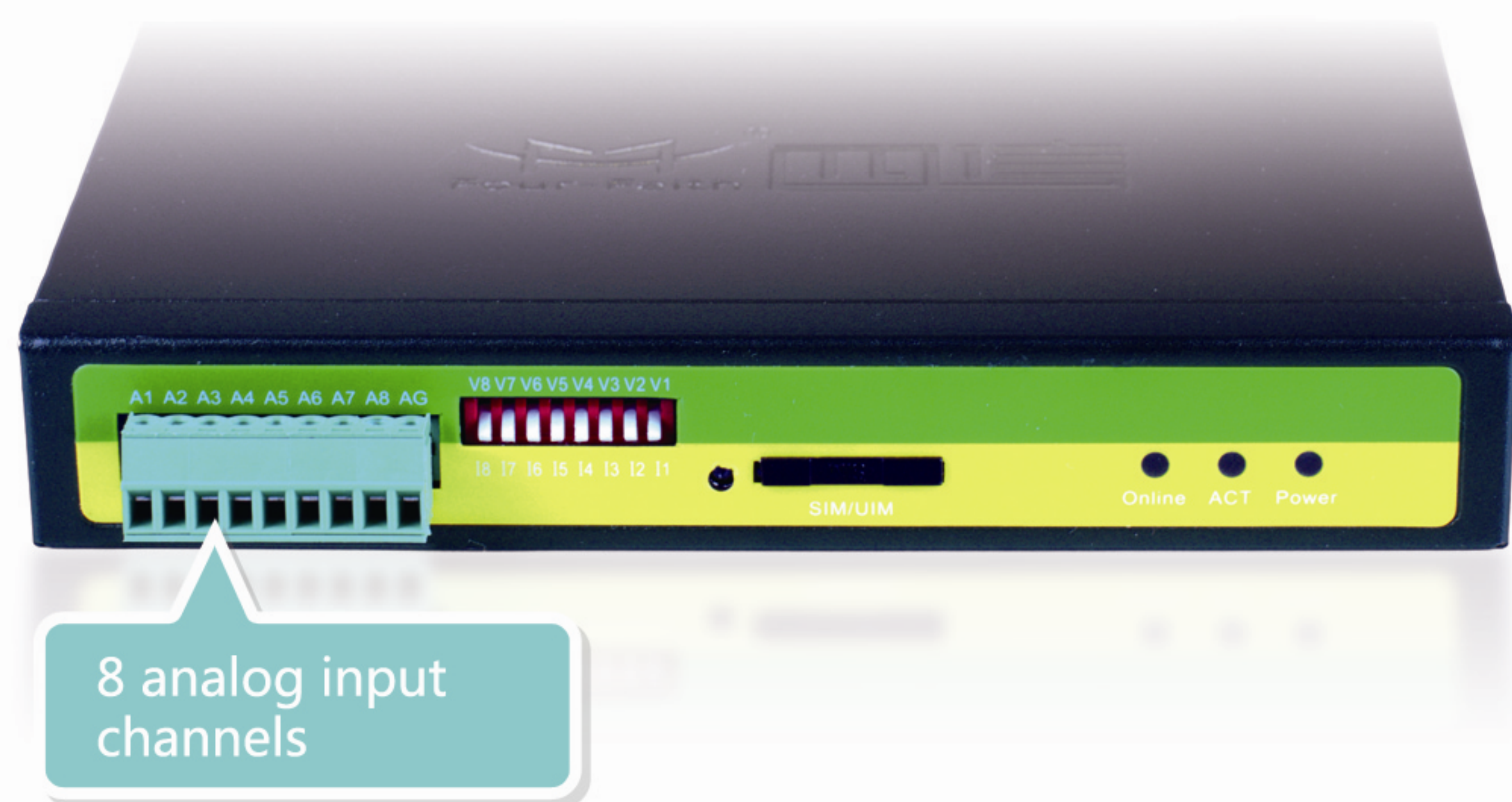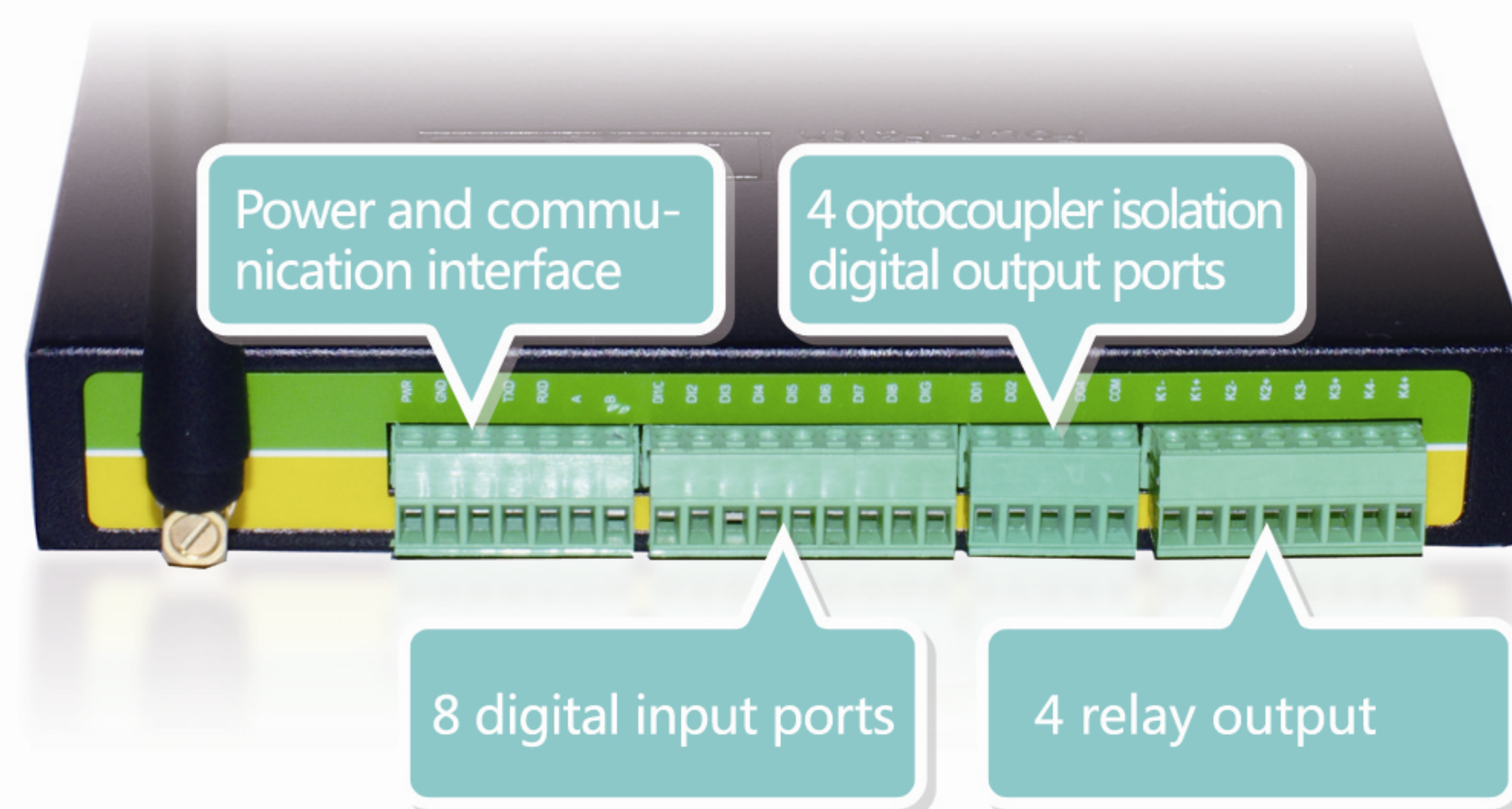· Support RTU extended protocol

4.Dominant functional

· Alarm information can be sent by SMS and network.
· Counter function, count frequency is not higher than 11MHz
· Counter initial value can be set, counter value can be queried.
· Automatic backup storage and reported again, when RTU do not report successfully
· Acquisition data are reported periodically, this period can be configured.
· Support double data centers, one main and another backup
· Support multi data centers and it can support maximum 5 data centers
· Remote reboot, remote parameter configuration, remote upgrade
· Scheduled open and shutdown RTU

■ Port Description Figure

8 analog input channels

Front View

Power and communication interface

4 optocoupler isolation digital output ports

8 digital input ports

4 relay output

Real View