

BUE-801 Series

Substation Protocol Gateways



Product Description

BUE-801 series protocol converters can provide both industrial communication device and solution of the whole industrial automation system, which plays more important roles in industrial control and automation, especially in the substation automation.

Protocol conversion supported:

Standard protocols that 801 support: UCA2, Ethernet(TCP/IP), DNP, OPC, Modbus RTU & TCP, IEC60870-5 series(IEC101, IEC102, IEC103, IEC104), IEC61850, RS-232, RS485/422, CAN, etc.

Non-standard protocol: DC screen, power meter, safety equipments. The different protocols of data can convert with each other in the BUE-801.

Product Features

Low latency: 5 to 50ms latency.

Strong data processing ability.

Reliable communication management

Specifications:

Hardware:

10/100MTCP/IP: 2-6 nos

RS422/232/485 4-16 nos DI/DO 8

nos

LED lights: 8nos

Software:

Maximum channels: 200

Maximum digital number/channel: 65536

Maximum analog number/channel: 65536

Maximum electric degree/channel: 65536

Maximum output/channel: 65536

Maximum analog output/channel: 65536

Data forwarding base: 4

Minimum data processing latency: 5ms

Time synchronization precision: <1ms(Hardware synchronization)

Technical specs:

400Mhz Freescale MPC8308 CPU

128M DDR2 Memory

128M Nand Flash

2 Ethernet Ports

4 RS-232/485 Isolation Serial Ports

DIN-Rail Mount

Others:

System

CPU Freescale MPC8308 PowerPC CPU,400MHz

Memory DDR2 128M

Flash 8M Nor Flash
128M Nand Flash

Operating System Linux 2.6.29.6

LED

System:Power x1,RUN x1,

LAN:10/100/1000M x4(Link x2 Act x2)

Serial:TxD x4,RxD x4

Others

RTC,Buzzer,Watchdog Timer,Reset button,Console Port x1

Serial Communication

Console Port

Console Port RJ45 connector x1

RS232 115200bps N,8,1

Serial Port

4xRS-232/485 TB Interface connector
software-selectable

RS-232 Signals: TxD,RxD,GND

RS-485 Signals: 485A(Data+),485B(Data-)

Protection

Built-in 15KV ESD protection for all signals, 2KV iCoupler
digital isolation protection

Network Communication

LAN

Auto-sensing 10/100/1000Mbps x 2, RJ45
Build-in 1.5KV magnetic isolation protection

Power Requirements

Power Input

Dual Power Input Design

PWR1:9-48V_{DC} or 9-48V_{AC}

PWR2:9-48V_{DC} or 9-48V_{AC}

Lost power alarm

Relay empty node

Power Consumption

8W@12V_{DC}

Mechanical

Dimensions

200(L)x121.01(W)x54.1(H)

Installation

DIN-Rail Mount

Environmental

Operating Temperature

-20-60°C

Storage Temperature

-30-80°C

Regulatory Approvals and Warranty

EMC

GB/T 17626.2-2006 Class 4

GB/T 17626.4-2008 Class 4

GB/T 17626.5-2008 Class 4

GB/T 17626.6-2008 Class 3

Warranty

5 Years