BUE-801 Series

Substation Protocol Gateways

Product Description

BUE-801 series protocol converters can provides 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), IEC-61850,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 Feature and Benefits:

Low latency: 5 to 50ms latency.

Strong data processing ability.

Reliable communication managemen

Power PC Platform,rugged quality

BUENO ELECTRIC

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

BUENO ELECTRIC

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℃

Storage Temperature -30-80℃

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

Accept Customized Protocol's Development

High Quality and Cost-effective Solution for Substation Automation System!