Netcon® GW502

Communication Gateway for Netcon 500 Outstation



Highly versatile communication gateway

- Main processor unit for Netcon 500
- Both serial and Ethernet traffic
- Traffic prioritising and routing
- Bandwidth usage optimisation
- Traffic tunneling and encryption
- Firewall
- Protocol conversions

NETCONTROL
Energy Network Automation

Netcon® GW502

www.netcontrol.com

Netcon GW502 is the central processing and communication unit for the Netcon 500 RTU, providing highly versatile protocol conversion and data concentration functionality. Since Netcon GW502 is a member of the Netcon Gateway family of products, it constitutes an application platform for secure and reliable network communication. The Netcon NFE front end application provides conversion between a wide variety of up-stream and down-stream protocols, allowing seamless integration of different brands of outstations into your SCADA system.

Application

Netcon Gateway with Netcon NFE application serves the following solutions:

- Connection of power station RTUs, protection equipment, and other serial communication devices, to the Control Centre
- Conversion of substation protocols to accommodate the Control Centre
- Sharing of one substation between two systems

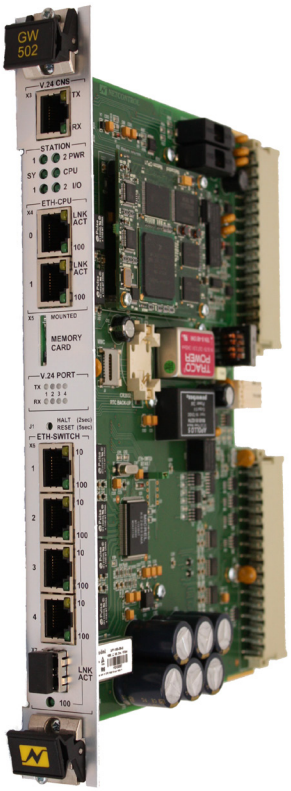
Available master protocols

- IEC60870-5-101, IEC60870-5-103, IEC60870-5-104, IEC61850, DNP3
- SPA
- ANSI, Allen-Bradley
- NPA, Procol
- Netcon 8830, 8810
- Lyngsö UST220/224, Gamma
- Indactic 23, 33/34, 35
- Telegyr 102, 065, 80x
- ADLP80, ADLP180, RP570, RP571
- Felek 400, 4000
- Modbus
- Comli
- Tecoma
- Nortroll
- Siemens ST1, 3964R
- Mobitex GMX
- Robofon
- Schlumberger 7915 FC

Available Slave Protocols

- NFE-link
- IEC60870-5-104, IEC60870-5-101, DNP3
- NPA, Procol
- ADLP80, ADLP180, RP570
- Netcon 8830
- Comli
- Mobitex2

As the product is under constant development, the number of supported protocols increase constantly. Some of the protocol applications include dial-up functionality.



Powered by Netcon NFE

TCP/IP

Netcon Gateway provides secure networking capability through firewall, VPN and encryption features. The unit includes an integrated 10/100Mbps Ethernet switch.

Environmental Requirements

- Complies with EN61000-6-2, EN61000-6-4, and EN61000-6-5
- Operating temperature: 0 ... +55 °C
- Storage temperature: -20 ... +80 °C
- Relative humidity: 5 ... 95 %

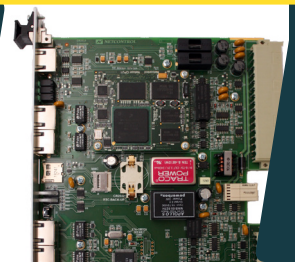
Power Supply

- Voltage range: 24 ... 48 VDC
- Power consumption: < 12W

Connections

- Dual 10/100Base-TX Ethernet
- 4x10/100Base-TX + 100Base-FX Switch
- Four V.24 serial ports
- V.24 console port
- Rack Bus interface
- V.11 GPS receiver interface
- Two memory card slots. One in front panel provides easy access for software updates and another one internally on the board for logging functions.

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