

DATRAN XL4 PLUS DNP3 RTU



FULL FEATURED, FUTURE PROOF DNP3 RTU

The DATRAN XL4 Plus DNP3 RTU is QTech's next generation DNP3 RTU. The fully featured Remote Telemetry Unit is built on the same industrial grade platform and real time operating system (RTOS) as the DATRAN XL4 Plus, with an added triangle microworks DNP3 protocol engine.

Offering a complete monitoring and control solution, the XL4 Plus DNP3 RTU is the perfect choice for integrating into a new or existing DNP3 based SCADA network. It is a programmable DNP3 device which can interface with DNP3 systems seamlessly and provide a host of additional features. Using the latest communication protocols and supporting over 65,000 data points, the XL4 Plus DNP3 RTU is among the most compact and cost effective DNP3 RTU's on the market today.

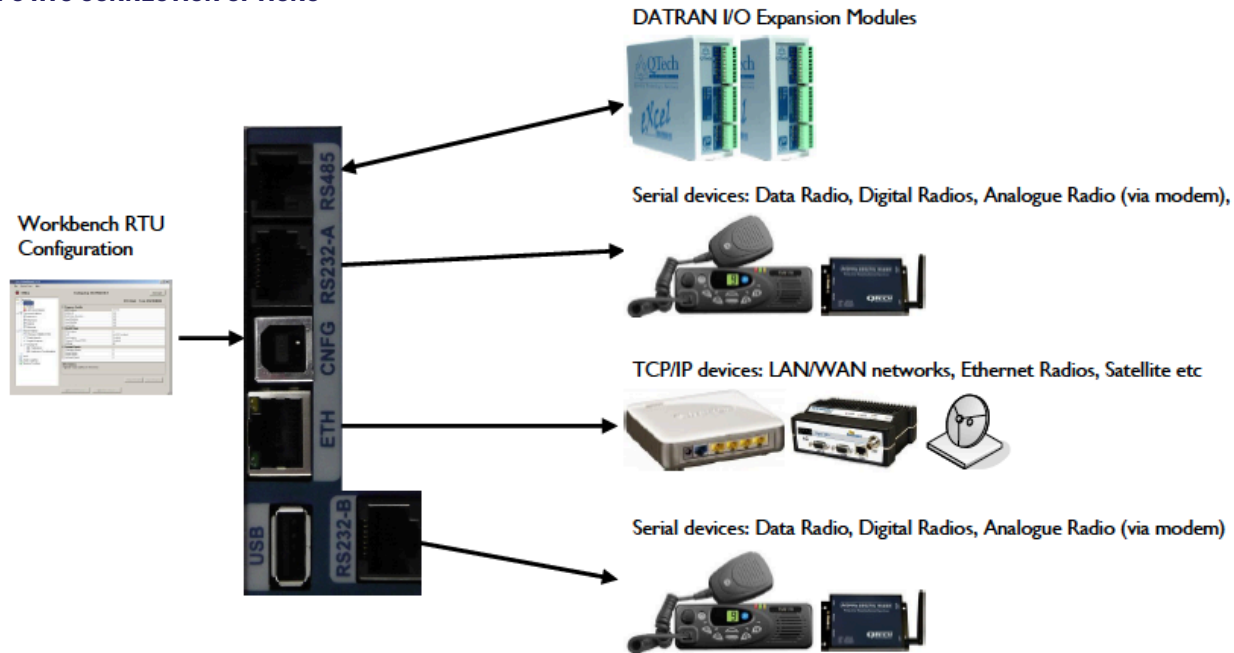
Additional hardwired I/O points can easily be added using DATRAN Expansion modules and through the high speed RS-485 port. Utilising the RS-232, RS-485 and Ethernet ports the XL4 Plus DNP3 RTU can communicate with various Intelligent Electronic Devices (IED's) using optional protocols (Modbus, ABDF1).

KEY FEATURES

- DNP3 protocol with level 3 support
- Versatile communication mediums capability between sites
- Multiple configurable communication ports
- USB configuration using QTech Workbench software
- Downstream MODBUS, DF1 and QCOMM protocols support- optional
- Local hardwire I/O monitoring and control
- Fully integrateable with new or existing DNP3 systems



XL4 DNP3 RTU CONNECTION OPTIONS



ELECTRONICS

- Processor - Q04 32 bit ARM7
- Operating Frequency - 72MHz
- 4MB Internal flash memory, 16MB RAM
- Battery backed real time clock (Rechargeable)

ELECTRICAL

- Supply Voltage 12 - 24V DC (max 30V DC)
- Current Consumption Nominal 100mA @ 24V DC
Nominal 200mA @ 12V DC
- Switched power output to control other modules, limited to 2A

CONNECTIONS

- Ethernet - 10/100 Mb/s Cat 5 - 1.5kV isolated
- RS232 Ports - 2x RJ45 - with flow control, for system integration DNP3 (Slave), MODBUS, DF1-optional)
- RS485 Port - RJ12 - 2.5kV isolated, for expansion modules DNP3 (Slave), MODBUS, DF1-optional)
- USB Port - Type B - used for Diagnostics & Configuration

INPUT & OUTPUTS

- Digital Inputs - Qty 8x normally open, close to activate (can be configured for pulse counting). Opto Isolated inputs with LED status indicators
- Digital Outputs - Qty 8x open collector type
Max switching current 2 Amps, internal fuse protection
Transient/thermal/short circuit protected
- Analogue Inputs - Qty 6x - two of which can be configured as Analogue Outputs.
Analogue I/O configurable as 4-20mA, 0-20mA, 0-5V, 0-10V, single ended or differential connection.
- I/O Connectors All screw terminal
- I/O is easily expanded with optional I/O modules.

COMMUNICATION OPTIONS

- Multiple base communication options including: TCP/IP LAN, Radio (Digital/Analogue), M2M Communication Mediums, 2G, 3G, 4G Cellular Modems

PHYSICAL

- Mounting DIN Rail TS35
- Dimensions H 130 x W 45 x D 145 mm
- Weight 350g

ORDERING DETAILS

Product Code: PD7402-DNP3

Please refer to our website for further product information and optional accessories.

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