



NEPEAN
Power

Protocol Converter X0415



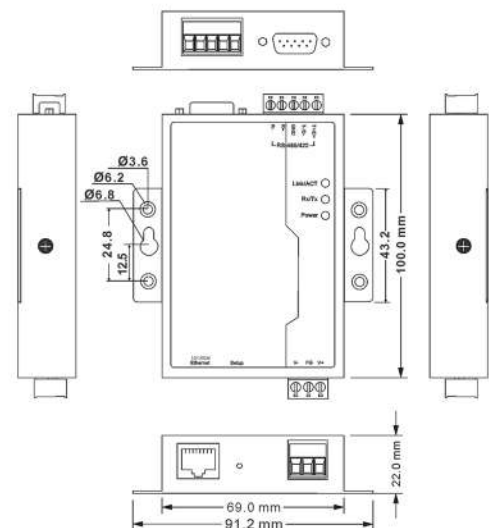
NEPEAN Power is a proven leader in the supply and manufacture of quality engineered solutions, products and technologies. Established in 1994, through the commitment of our dedicated team we have become a supplier of choice.

The X0415 Protocol converter is designed to make your serial devices internet ready instantly. It provides 1 port RS232/485/422 (RS232, DB9M; RS485/422, 5 bit terminal block) and 1 port 10/100Base-T(X). This makes it the ideal choice for connecting decentral serial devices and host computer to an IP based ethernet, making it easy and convenient for your management. Its software can be set and updated by the supplied software. It supports TCP, UDP, ARP, ICMP, DHCP and Windows Native COM, LLF functions.

What's more, the X0415 protocol converter provides powerful management configuration tools based on Windows, guiding users' configuration of the devices step by step. All configurations can be done by network and serial port, supporting communication across gateway and router. In addition, it allows users to configure flexibly IP address, Server or Client mode, size of packet, etc.

Features

- 3-in-1 RS-232/RS-485/RS-422 Serial Interface
- Supports 10/100M auto-sensing ethernet
- Supports 300bps ~ 115.2Kbps
- TCP, UDP, ARP, ICMP, HTTP and DHCP protocol
- Supports across gateway router communication
- Standard TCP/IP Socket
- Virtual serial driver access and auto connection after the network disconnects
- Provides bath installation Windows configure tool
- Choice of configuration methods: Windows, TELNET and WEB
- Din-Rail or wall mounting installation
- Working temperature: -40 ~ 75 °C



Protocol Converter - X0415

Specifications

Ethernet

- Standard: 10/100 Base-T(X)
- Speed: 10/100M auto-sensing
- Working: TCP Server, TCP Client, UDP and Real COM driver
- Memory: 32Kbyte
- Transmission: 100m
- Electromagnetism isolate: 1kV
- Connector: RJ45

Serial

- Standard: RS-232/RS-485/RS-422
- Signals:
 - RS-232: DCD, RXD, TXD, DTR, GND, DSR, RTS, CTS
 - RS-485: Data+, Data-, GND
 - RS422: TXD+, TXD-, RXD+, RXD-, GND
- Working mode: Asynchronous format, point to point, 2 wires half duplex, 4 wires full duplex
- Parity: None, even, odd, space, mark
- Data bits: 5bit, 6bit, 7bit, 8bit
- Stop bits: 1bit, 1.5bit, 2bit
- Baud rate: 300bps ~ 115.2Kbps
- Flow control: RTS/CTS
- Direction control: RS485 side adopts ADDC technology, auto text and control data transfer directon
- Loading: RS-485/422 side support 32 nodes (customise 128 nodes) loop back
- Transmission: RS-485/422 side 1200m, RS-232 port 15m
- Interface protection: 1500W surge protection, 15KV ESD Protection

Software

- Network protocols: Support TCP, UDP, ARP, ICMP, HTTP and DHCP
- Driver support: Windows Real COM driver (Windows NT/2000, Windows XP/2003/7/8)
- Configuration options: Windows, TELNET and WEB

Power

- Power input: 9~48VDC
- No-load consumption: 1.33W @ 9VDC
- Full-load consumption: 1.48W @ 9VDC

Environment

- Working temperature: -40°C ~ 75°C
- Storage temperature: -40°C ~ 85°C
- Humidity: Relative humidity 5% to 95%

Appearance

- Colour: Black
- L x W x H: 100mm x 69mm x 22mm
- Material: Iron (Shell)
- Weight: 240g

Standard

- EMI: FCC Part 15, CISPR (EN55022) Class A
- EMS: EN 61000-4-2 (ESD) Level 4
 - EN 61000-4-3 (RS) Level 2
 - EN 61000-4-4 (EFT) Level 3
 - EN 61000-4-5 (Surge) Level 2
 - EN 61000-4-6 (CS) Level 2
- Shock: IEC 60068-2-27
- Free fall : IEC 60068-2-32
- Vibration: IEC 60068-2-6

Warranty: 3 years

Approvals: FCC, CE, RoHS



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