Serial to Ethernet Converter Type ETHCONV3

Dupline®
Fieldbus | *Installationbus*

- Low cost; credit card size
- Auto-detecting 10/100 Mbps Ethernet
- Built-in 15 KV ESD protection for all serial signals
- Configuration via web/Telnet/serial console
- Easy to Configurate wit the costume designed tool, see homepage: *www.dupline-online.com*
- 2 x RS-232 port and 2 x Ethernet port

Product Description

The ETHCONV3 is a two channel serial to Ethernet Converter. The IP-based Ethernet unit makes it possible for your software to access serial devices local anywhere on a local LAN or Internet.

The ETHCONV3 configuration tool is designed to set up the converter to work with Dupline-online. The tool can be downloaded from the homepage:
www.dupline-online.com

Ordering Key

ETHCONV3

Specifications

LAN	
Ethernet	10/100 Mbps, RJ45
Protection	Built-in 1.5 KV magnetic isolation

Serial	
No. of ports	2 x RS-232 port
RS-232 Signals	TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND
Serial Line Protection	15 KV ESD for all signals

Serial Communication Parameters	
Parity	None, Even, Odd, Space, Mark
Data bits	5, 6, 7, 8
Stop bits	1, 1.5, 2
Flow control	RTS/CTS, XON/XOFF
Speed	50 bps to 230.4 Kbps

Console Ports	RS-232 console

Software Features	
Protocols	ICM, IP, TCP, UDP, DHCP, BootP, Telnet, DNS, SNMP, HTTP, SMTP
Utilities	NPort Administrator Suite for Windows 95/98/ME/NT/2000/XP/2003

Real COM/TTY Drivers	Windows 95/98/ME/NT/2000/XP/2003 COM driver, Linux real TTY driver, Unix Fixed TTY driver
Configuration	Web browser, serial/Telnet console, or Windows utility

Power Requirements	
Power input	9-30 VDC
Power consumption	305 mA@12V
Power Line protection	4 KV Burst (EFT), EN61000-4-4
	2 KV Surge, EN61000-4-5

Mechanical Specifications	
Weight	135 g
Material	Aluminum (1 mm)

Environmental	
Operating Temperature	0 to 55°C (32 to 131°F), 5 to 95% RH
Storage Temperature	-20 to 85°C (-4 to 185°F), 5 to 95% RH

Regulatory Approvals	
EMC	FCC Class A, CE Class A
Safety	UL, CUL, TÜV

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Mode of Operation

ETHCONV3 serial device server provides TCP Server, TCP Client, UDP Server/Client, Pair Connection, and Ethernet Modem, ensuring the compatibility of network software that uses a standard network API (Winsock, BSD Sockets).

Thanks to ETHCONV3's Real COM/TTY drivers, software that works with COM/TTY ports can now work on a TCP/IP network in no time. This exellent feature preserves your software investment and lets you enjoy the benefits of networking your serial devices instantly.
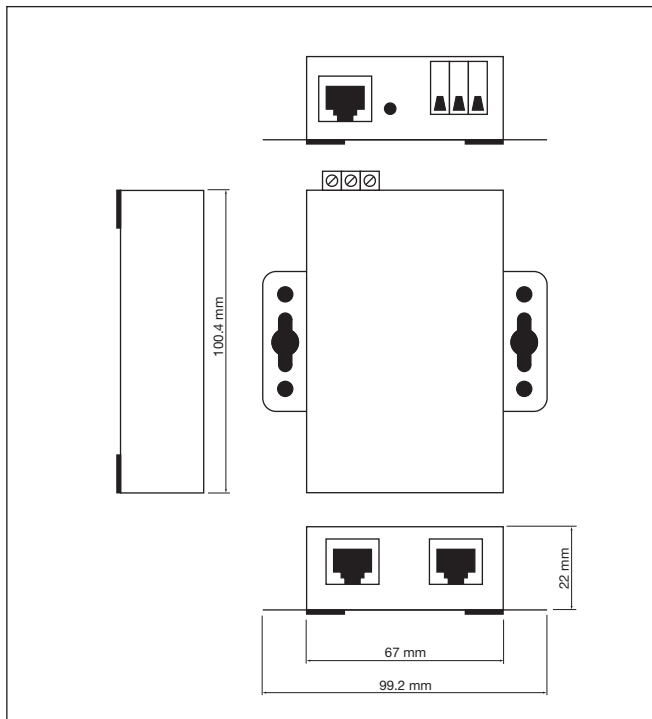
ETHCONV3 serial device server supports automatic IP configuration protocols (DHCP, BootP) and manual configuration through the web console, Telnet console, serial console, and Utility. All methods ensure quick and effective installation. And with Windows Utility, your installation job becomes more pleasant than ever, since all system parameters can be stored and copied to many other device servers.

By using the special designed Moxa NPort configuration tool for Dupline-online the user is able to set up/ajust the ETHCONV3 unit quickly and easily. The configuration tool can be downloaded from: ***www.dupline-online.com.***

Use the installation manual for Dupline-online for further information.

Dimensions (mm)

Wiring Diagram

RJ45

12345678

● Reset button

PIN	RS-232
1	DCD
2	RxD
3	TxD
4	DTR
5	GND
6	DSR
7	RTS
8	CTS

When reset button is held more than 3 sec. the converter returns to default settings.

Delivery Contens

• ETHCONV3 2-port Serial Device server
• Switching power adapter
• Power Jack to Terminal Block Cable
• Power Cord
• CBL-RJ45M9-150 x 2
• DK-35A: DIN-rail Mounting kit (35 mm)