

# Serial to Ethernet Converter Type ETHCONV2



- 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 Configure with the costume designed tool, see homepage: [www.dupline-online.com](http://www.dupline-online.com)
- 1 RS-232 port and 1 Ethernet port

## Product Description

The ETHCONV2 is a one 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 ETHCONV2 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](http://www.dupline-online.com)

## Ordering Key

**ETHCONV2**

## Specifications

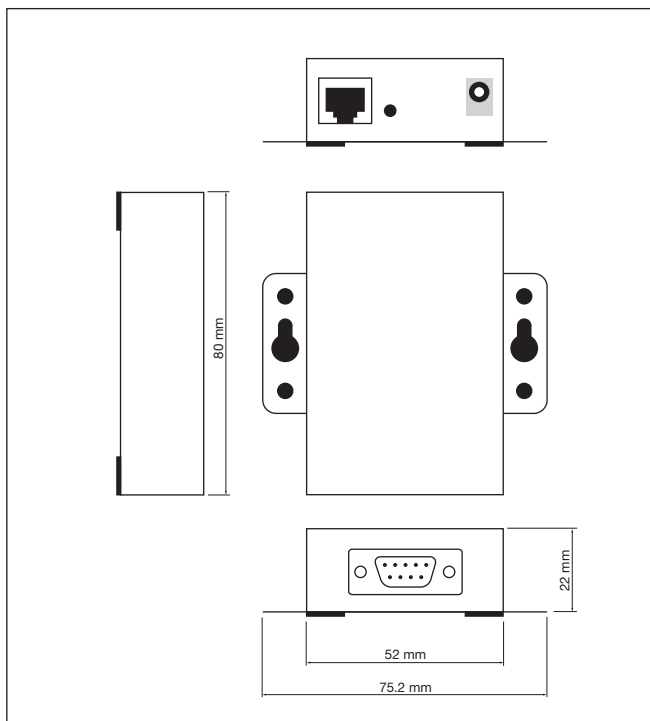
<b>LAN</b> Ethernet Protection	10/100 Mbps, RJ45 Built-in 1.5 KV magnetic isolation	<b>Real COM/TTY Drivers</b>	Windows 95/98/ME/NT/ 2000/XP/2003 COM driver, Linux real TTY driver, Unix Fixed TTY driver
<b>Serial</b> No. of ports RS-232 Signals	1 RS-232 port TxD, RxD, RTS, CTS, DTR, DSR, DCD, GND	<b>Configuration</b>	Web browser, serial/Telnet console, or Windows utility
Serial Line Protection	15 KV ESD for all signals	<b>Power Requirements</b> Power input Power consumption Power Line protection	9-30 VDC 165 mA@12V, 95 mA@24V 4 KV Burst (EFT), EN61000- 4-4 2 KV Surge, EN61000-4-5
<b>Serial Communication Parameters</b> Parity	None, Even, Odd, Space, Mark	<b>Mechanical Specifications</b> Material	Aluminum (1 mm)
Data bits	5, 6, 7, 8	<b>Environmental</b> Operating Temperature	0 to 55°C (32 to 131°F), 5 to 95% RH
Stop bits	1, 1.5, 2	Storage Temperature	-20 to 85°C (-4 to 185°F), 5 to 95% RH
Flow control	RTS/CTS, XON/XOFF	<b>Regulatory Approvals</b> EMC Safety	FCC Class A, CE Class A UL, CUL, TÜV
Speed	100 bps to 230.4 Kbps		
<b>Console Ports</b>	RS-232 console		
<b>Software Features</b> 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		

## Mode of Operation

ETHCONV2 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 ETHCONV2's Real COM/TTY drivers, software that works with COM/TTY ports can now work on a TCP/IP network in no time. This excellent feature preserves your software investment and lets you enjoy the benefits of networking your serial devices instantly. ETHCONV2 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/adjust the ETHCONV2 unit quickly and easily. The configuration tool can be downloaded from: [www.dupline-online.com](http://www.dupline-online.com). Use the installation manual for Dupline-online for further information.

## Dimensions (mm)



## Wiring Diagram

**Male DB9 RS-232 port**

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

**RJ45**

● Reset button

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

## Delivery Contents

- ETHCONV2 1-port Serial Device server
- Switching power adapter
- DK-35A: DIN-rail Mounting kit (35 mm)