Serial to Ethernet Converter - Basic
Part no.: XS1000

- 1-port RS232, RS485 and RS422.

- Most common features and functions

- Parameter configuration via web browser

- Virtual COM port software included

- Electrostatic protection

- DHCP support

A serial to Ethernet converter, also called a Serial Device Server (because it can be assigned an IP address), is an ideal solution if you want to communicate with a serial device over an existing Ethernet network. It will allow you to communicate with a remote serial RS232, RS485 or RS422 device over a Ethernet cable as if the serial device was connected directly to your computer.

After installing the included driver software a virtual COM port will be created in your computer's Device Manager which can be used as if it was a standard built-in serial COM port. When you connect your serial device to the serial to Ethernet converter at the remote end of the Ethernet network you can point your application software to use the virtual created serial COM port and then communicate with your serial device as if it was connected directly to a local serial COM port.

This serial to Ethernet converter is a good all-round cost effective converter which has the most commonly used basic features and functions. It is compatible with the majority of serial devices on the market.

The converter works out of the box with default parameters however if you need to change some of the parameters to match your serial device or network the parameters of this serial to Ethernet converter can be configured through a standard web browser or with the included utility software.

You can use this converter to connect to most serial devices with a standard serial port such as industrial machinery and devices, CNC's, PLC's, scanners, scales, printers and most other industrial and commercial equipment. You can connect to these devices directly over a TCP/IP Ethernet network or even over the Internet by using a Virtual Personal Network (VPN)

So, if you are looking for a good cost-effective serial to Ethernet converter with all basic functions then the XS1000 is what you need.

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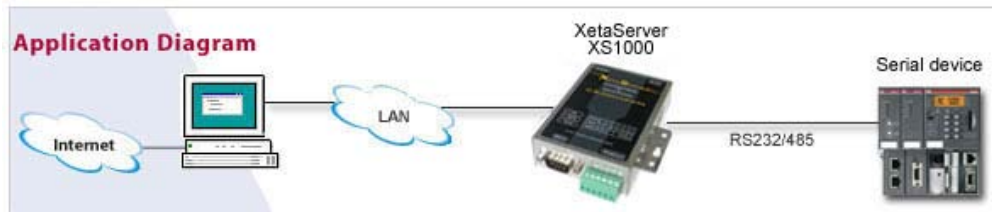| SPECIFICATIONS	
Model number	XS1000
Operating system	Windows 10 32/64-bit, Windows 8 32/64-bit, Windows 7 32/64-bit, Vista 32/64-bit, Windows XP 32/64-bit, Linux
Number of serial ports	1 port RS-232, male DB9 1 port RS485 / RS422 screw terminals
RS232 signals	TX, RX, RTS, CTS, GND - Parity Check : None, even, odd, Mark, Space - Data bits : 5, 6, 7, 8 - Stop bits : 1, 2 - Flow Control : Hardware or None
Baud rate	300 bps to 230.4Kbps
RS485 signals	Data+ , Data- Automatic Data Control
RS422 signals	TX-, TX+, RX-, RX+
Serial modes	Virtual Com, TCP Server, TCP Client, UDP
Default IP	192.168.2.1
Parameter configuration	- Web browser - Included software utility
Telnet	No
ModBus	No
Ethernet port	RJ-45, 10Base-T or 100Base-TX Auto-Sensing
Protocols	TCP/IP, UDP/IP, ARP, ICMP, DHCP, HTTP
Memory	64KB OTP ROM, 32K bytes SRAM
CPU	8051CPU, 25MHz
Serial tunnel	Yes
Power	8-24 VDC, 500mA
Serial port protection	15 KV ESD/600W static/surge protection
Ethernet port protection	1.5 KV magnetic protection
Installation	Screw holes or DIN mountable by optional DIN clips (not included)
Compliance	CE, RoHS, FCC
Operating Temp.	-10 to 55C
Operating humidity	5% To 95% - no condensation
Dimensions	67 x 93 x 22 mm
Weight	300g
Warranty	2-year limited warranty
ECCN	4A994.a
Schedule B	8471.80.1000
HTS	8517.18.0050

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Package contents:
XS1000 serial to Ethernet server
XS1000 Documentation (downloadable)
9VDC power adapter

Connection tables

RS-232 Pin configuration		
（DB9Male）	**Signal**	**I/O**
PIN2	RXD	IN
PIN3	TXD	OUT
PIN5	GND	-

RS-422/485 Pin configuration						
Terminal No	1	2	3	4	5	6
RS-422	T+	T-	R+	R-	VIN	GND
RS-485	485+	485-	-	-	VIN	GND

Connection example

LED indication
LINK: Ethernet Link established.
ACT: Data flow TX/RX.
PWR: Power ON.

For installation please refer to our step by step installation guide:
http://www.nordfield.com/downloads/xs1000/vcom-setup-guide-xs1000

Full driver and documentation package can be downloaded at:
http://www.nordfield.com/downloads/xs1000/xs1000.zip