



SERIAL TO ETHERNET



10/100Mbps



PLUG AND PLAY



TCP/IP

# NETPORT

## ETHERNET TO RS232 CABLE ADAPTOR

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NetPort is a 'plug-and-play' Serial-to-Ethernet cable adaptor that enables any device or machine with a serial port, to become network and Internet-enabled in an instant.

The external NetPort adaptor features an integrated web server, allowing any device to which it is attached to be 'contacted' and monitored via a standard Internet browser. TCP/IP protocol stacks are embedded into the NetPort, enabling it to operate within non-PC environments and the adaptor features a Modem Emulation Mode, allowing it to behave like a modem but communicate over TCP/IP.

NetPort is a product which can be integrated into a system with minimal set-up, a configuration utility is provided which allows quick and easy customisation to suit any network or serial device.

Virtual Comm Port drivers are provided to allow a NetPort-connected device to communicate with existing software over TCP/IP (for Windows operating systems). Alternatively, 'direct socket' connection can be used.

### FEATURES

- 10/100Mbps AUTO SENSING RJ45 ETHERNET PORT
- ETHERNET ACTIVITY AND STATUS LED'S
- 6 PAGE WEB SERVER
- 960Kbps MAXIMUM SERIAL THROUGHPUT
- MOULDED 9-WAY D-TYPE SERIAL CABLE (STANDARD)
- SERIAL & POWER STATUS LEDS
- 256bit RIJNDAEL AES ENCRYPTION OPTION
- SUPPLIED WITH MAINS POWER SUPPLY
- POWER PASS THROUGH TO TERMINAL EQUIPMENT (OPTION LAN06)
- POWER CONSUMPTION 240mA @ 5VDC, 75mA @ 24VDC
- CONFIGURABLE SECURITY OPTIONS
- CAN BE CUSTOMISED FOR OEM USE

### APPLICATIONS

- FIRE AND SECURITY PANELS
- VENDING MACHINES
- EPOS (POINT OF SALE TERMINALS)
- REMOTE IT MANAGEMENT
- ACCESS CONTROL
- TICKETING AND FINANCIAL
- INSTRUMENTATION AND MEASUREMENT
- INDUSTRIAL CONTROL
- BUILDING CONTROL
- HANDHELD COMPUTING
- AUDIO VISUAL
- HOME AUTOMATION

### NETPORT ETHERNET TO RS232 CABLE ADAPTOR

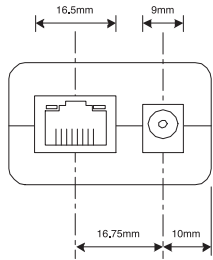


**NEW SLIMLINE HOUSING**

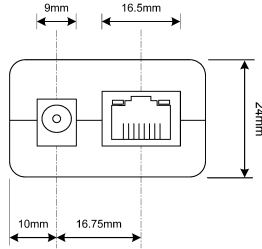


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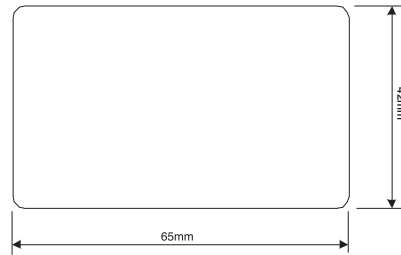
**Front View**  
(showing RS232 RJ45 with cable removed)



**Rear View**  
(showing Ethernet RJ45)



**Plan View**



## NetPort Box Detail

Colour: Matt grey  
Textured ABS Plastic

## PRODUCT SELECTION TABLE

	LAN01	LAN02	LAN03	LAN04	LAN06
10/100 Ethernet	✓	✓	✓	✓	✓
Up to 960kbps serial throughput	✓	✓	✓	✓	✓
Simple 2 wire serial option	✓	✓	✓	✓	✓
Handshaking serial option	✓	✓	✓	✓	✓
9 way Plug (DTE) serial cable	✓		✓		✓
9 way Socket (DCE) serial cable		✓		✓	
5V-24V DC working voltage	✓	✓	✓	✓	✓
Powered from serial equipment (DB9 pin9)					✓
Powered from external PSU (2.5mm jack)	✓	✓	✓	✓	✓
Power provided to serial equipment (DB9 pin 9)					✓
Power available from spare DC socket	✓	✓	✓	✓	✓
Telnet, Web or serial configuration options	✓	✓	✓	✓	✓
Modem Emulation mode	✓	✓	✓	✓	✓
TCP/IP direct socket connection	✓	✓	✓	✓	✓
Virtual Comm Port connection	✓	✓	✓	✓	✓
Email alerts can be sent from NetPort	✓	✓	✓	✓	✓
DHCP client	✓	✓	✓	✓	✓
6 page Webserver	✓	✓	✓	✓	✓
256bit encryption on TCP/IP data			✓	✓	

Alpha Micro Components are a specialist semiconductor and electronic component distributor in the markets of Telecoms, Datacoms, Security and EPOS. A "design based" distributor offering a comprehensive technical support package ranging from hardware and software application support through to complete turnkey designs.

Alpha Micro Components reserve the right to change the specification without prior notice.

NetPort 9 way D-type pin assignments					
LAN01/03/06 (DTE)			LAN02/04 DCE		
1			1		
2	IN	RXD	2	OUT	RXD
3	OUT	TXD	3	IN	TXD
4			4	IN*	RESET*
5		GND (0V)	5		GND (0V)
6	IN*	RESET*	6		
7	OUT	RTS	7	IN	RTS
8	IN	CTS	8	OUT	CTS
9	IN/OUT	Power**	9	IN/OUT	Power**

\*RESET of NetPort only functional on certain models. Active low.  
\*\*Power feed is only enabled on AMC232LAN06.

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TECHNICAL SPECIFICATIONS