

MD-N32

RS-232 to TCP/IP Gateway

Rosslare's MD-N32 Gateway is a powerful, high performance gateway designed to send and receive information between varied PC-managed Access Control system products via a local network or internet, thus saving on serial cabling installation. Integrally compatible with the AS-525 AxTrax software and GS-02 DigiTool Call Center Software, the MD-N32 Gateway packs advanced features such as PING, search on LAN, variable baud rate, and data-type, MAC/IP address and communication parameters. In AxTrax one unit can handle multi-door sub-networks connected via TCP/IP to the AxTrax server.

The MD-N32 Gateway delivers simple, reliable, and cost-effective network connectivity for multiple serial devices.

General Description

Rosslare's MD-N32 Gateway is designed with a focus on high quality and reliability as our top priority.

As a compact plug-in module, the MD-N32 easily connects to most products without modification. The module receives serial communication, converts it to TCP/IP format, and sends it over the LAN or Internet to the PC. From the other end, communications are sent from the PC over the network and convert back into serial format in the device.

All setting and configuration is done using the AS-IP01 Configuration Tool PC software or directly from the AS-525 AxTrax™ when connected to Rosslare's AC-215, AC-225, or AC-525 and GS-02 DCC software (see the manuals for instructions). Once the module is configured, the information is saved in non-volatile memory inside the module.

The MD-N32 is easy to install and is ideal for applications requiring serial port environments and network device management.



Main Features

- Universal RS-232 to TCP/IP gateway for general use
- Supports DHCP dynamic IP addressing
- +12V DC jack power input connector
- RS-232 speed from 1200bps to 230.4Kbps
- Bi-directional conversion of RS-232 to TCP/IP
- Powered by external 12V wall adapter type power supply

PROFESSIONAL GRADE FEATURES

- Enables Ethernet networking for AC-115 and AC-215, AC-225, or AC-525 panels as well as for GC-02 and GC-50 communicators from the DigiTool product line
- Configurable using dedicated software utility or directly using AS-215 VeriTrax, AS-525 AxTrax software with BioTrax™ connected to AYC-W6500, or with GS-02 DCC - DigiTool Control Center

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Product Specifications

ELECTRICAL SPECIFICATIONS	
• Input power	12V DC from power adapter
• Power consumption	Typical: 70mA Maximum: 100mA
• LED	Green indicates network status Red indicates power supply
TRANSMISSION AND CONNECTIVITY SPECIFICATIONS	
• Hardware protocols	TCP, UDP, IP, ARP, ICMP, Ethernet MAC
• Network interface	10/100 Base-T Ethernet (Auto Detection) RJ-45 jack for LAN connection
• Serial port	D9 male connector RS-232
• Data	1,4,6,7,8,9 -NC 2 - Rx 3 - Tx 5 - GND signal
• MCU	8 bit MCU and 32K FLASH
• Serial line format	8-N-1, 8-O-1, 8-E-1, 7-O-1, 7-E-1
• Serial flow control	None, XON/XOFF
• Transmission speed	1200bps~230.4Kbps
OPERATING SPECIFICATIONS	
• Operating environment	Indoor use
• Operating temperature	0°C to 63°C (32°F to 145°F)
• Operating humidity	0% to 95% (non-condensing)
PHYSICAL SPECIFICATIONS	
• Dimensions (L x W x H)	110 x 63 x 39 mm (4.3 x 2.5 x 1.5 in)
• Weight	92 g (3.25 oz.)

Requirements

The following are required to connect the MD-N32 to either the PC or remote Unit:

- LAN cable - RJ45 plugs on both sides
- 12V (200mA) DC power adaptor, connected to the unit's DC jack provided with the product
- RS-232 9-pin D type cable

System Components

The MD-N32 is compatible With Rosslare's controllers AC-215, AC-115, Fingerprint Reader AYC-W6500, Guard Patrol DigiTool GC-02 and GC-50 as well as Intrusion alarm panels AuraSys and HomeLogiX.



AC-225



AC-215



GC-01&
GC-02



GC-50



AYC-W6500

Additional Information

The MD-N32 is a high-quality electronic product developed and manufactured under ISO9001:2000.

It is covered by the RSP 2-year Limited Product Warranty.

Please visit our website for documentation and sales information: <http://www.rosslaresecurity.com/>

