MD-N32

RS-232 to TCP/IP Gateway

Rosslare's MD-N32 is a powerful, high performance gateway designed to send and receive information between varied pc-managed access control system products via a LAN or WAN, thus saving on serial cabling installation. Integrally compatible with the AxTraxNG software, the MD-N32 gateway packs advanced features such as ping, search on LAN, variable baud rate, data type, MAC/IP address, and communication parameters. One unit can handle multi-door sub-networks (RS-485/232) connected via TCP/IP to the AxTraxNG 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 WAN 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 AxTraxNG when connected to Rosslare's AC-215, AC-225, or AC-425 (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
- +12 VDC jack power input connector
- RS-232 speed from 1200 bps to 230.4 Kbps
- Bi-directional conversion of RS-232 to TCP/IP
- Powered by external 12 V wall adapter type power supply

PROFESSIONAL GRADE FEATURES

- Enables Ethernet networking for AC-115 and AC-215, AC-225, or AC-425 panels
- Configurable using dedicated software utility or directly using AxTraxNG software, AYC-W6500 as well as intrusion alarm panels AuraSys and HomeLogiX.

ROSSLARE
SECURITY PRODUCTS

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

▪ Input Power	12 VDC from power adapter
▪ Power Consumption	Typical: 70 mA Maximum: 100 mA
▪ LED	Green indicates network status Red indicates power supply

TRANSMISSION & 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	1200 bps ~ 230.4 Kbps

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 ▪ 12 V (200 mA) 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, as well as intrusion alarm panels AuraSys and HomeLogiX.
PRODUCT WARRANTY	2-Year Limited Product Warranty

ABOUT ROSSLARE SECURITY

Rosslare Security Products manufactures and markets high-quality security products via its worldwide offices and channel partners. Since 1980, Rosslare has offered high-quality systems for enterprise, small business, and residential applications. With Rosslare, you receive the best of all worlds: world-class product engineering and design; professional customer service spanning the globe; and the quality and affordability of a vertically integrated and self-owned manufacturing facility. Our expansive product range features much more than access control solutions and guard patrol management systems; we also offer applications software – such as License Plate Recognition, Time & Attendance, and DVR/alarm integration.

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