

MD-N33

Serial RS-232 to PSTN Adaptor



Rosslare's MD-N33 high performance, sophisticated modem provides a telephony link for serial communication based controllers and other devices. Compatible with Rosslare's AxTraxNG software, the modem supports a communications solution between the server PC side and remote subnetwork of controllers.

The MD-N33 packs advanced features such as non-volatile memory for storing user profiles and auto-dial, redial, and auto-answer options. Efficient and reliable, one unit can handle a complete remote multi-door subnetwork.

GENERAL DESCRIPTION

The MD-N33 is a data communication modem for data transfer over the worldwide PSTN networks. This sturdy and efficient modem links RS-232 based serial communication devices over dial-up telephone lines for remote applications. It can be used to connect the phone line on the PC side or remote unit connection. The intelligent DAA technology detects line status.

The MD-N33 features auto-dial, redial, and auto-answer, as well as non-volatile memory to store user profiles. The unit also includes line protection circuitry.

The MD-N33 is a V.34/33.6K modem and complies with worldwide telecom requirements. The modem is AT Command set compatible and can be configured from any PC based communication program.

MAIN FEATURES

- Configurable via a PC connection to connect either a phone to a PC or to a remote unit
- V.34/33.6K
- AT command compatibility

- 60-character command line buffering
- Auto-dial, redial, and auto-answer
- Pulse or tone dial
- Connectors:
 - Front: RJ-11 jack and power jack
 - Rear: RS-232 jack

PROFESSIONAL GRADE FEATURES

- Remote hang-up detection
- Digital PBX detection and protection
- Buzzer for call progress monitoring
- Two LEDs indicate telephone line status and power supply
- Intelligent DAA technology detects line status
- Industry-standard error correction and data compression
- DTMF detection and distinctive ring
- Non-volatile memory to store user profiles
- Line protection circuitry included

SPECIFICATIONS

ELECTRICAL SPECIFICATIONS

■ Input Power	12 VDC from power adapter
■ Power Consumption	Typical: 70 mA Maximum: 100 mA
■ Buzzer	For call progress monitoring
■ LED	Green indicates network status, red indicates power supply

DATA SPECIFICATIONS

■ Data format	Serial RS-232 interface
■ Data	V.34, V.32bis, V.32, V.22bis, V.22, V23, V.21, Bell 212A & Bell103
■ Error correction	V.42 (LAP-M or MNP 2-4)
■ Data compression	V.42bis, MNP 5
■ Fax	V.17, V29, V.29ter, V.21 ch.2 Class 1 and 1.0 commands
■ Modes of operations	Full duplex over dial-up lines; data mode, command mode, online command mode
■ Advanced	Extension pickup detection, remote hang-up detection, line-in-use detection, digital PBX detection and protection
■ Flow control	XON/XOFF (software), RTS/CTS (hardware)
■ Command Buffer	60 characters
■ Telephony	V.253 commands: V.253 2-bit and 4-bit ADPCM, 8-bit linear PCM, and 4-bit IMA coding 8 kHz sample rate Concurrent DTMF, ring, and Caller ID detection

OPERATING SPECIFICATIONS

■ Operating Environment	Indoor use
■ Operating Temperature Range	0°C to 63°C (32°F to 145°F)
■ Operating Humidity Range	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	97 g (3.42 oz.)

REQUIREMENTS

The following are the required hardware units used to connect the MD-N33 to either the PC or remote Unit:

- Crossed linked RS-232 cable – 9-pin D type female plugs on both sides
- Standard telephone cable – RJ11 plugs on both sides
- 12 V (200 mA) DC power adaptor, connected to the unit's DC jack
- MD-14 RS-485 to RS-232 converter (for RS-485 units)

SYSTEM COMPONENTS

The MD-N33 is compatible with Rosslare's networked controllers, 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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