

Remote Modem Defender™

Why Just Secure Your Control System When You Can Make It Bullet-Proof?

What is the Remote Modem Defender™?

The first product of its kind, the Remote Modem Defender™ is a state-of-the-art gateway between your network, maintenance land lines and control points. This hardware component of the Odyssey™ Product Series is your first defense against unauthorized access through your analog dial-up lines.



How it Works

The Odyssey™ Product Series Modem Defender™ (RMD) comes in a 1U rack mount or free standing unit. This device is located between control points and the external modems that allow maintenance access. Each Modem Defender™ can attach up to four (4) phone lines.

It prevents unauthorized access via the analog dial-up line by enforcing user ID's and passwords that are configurable to your internal security policy. Only when properly verified with the centralized Host can a user gain access to maintenance menus. Upon correct password authentication from the user, the RMD becomes a pass-through device to the control equipment.

Features/Benefits

- Easily retrofits into existing architectures without disrupting network operations
- Blocks unauthorized users from accessing control points through the network maintenance land lines
- Completely configured and controlled through the Odyssey™ Host System
- On-board authentication prevents rogue equipment from impersonating validated devices
- Modem activation based on daily schedule configurable from the Host
- Fully Configurable and upgradable from Host
- Secure User Login Validation to Host
- Full Call-Event Logging
- Multi-Line Compatibility
- Hardened Security Chip with Unique Device Identification
- Embedded Clock and Calendar Chip Synchronized to Host

Call Our Defense Department Today. (800) 564-1223

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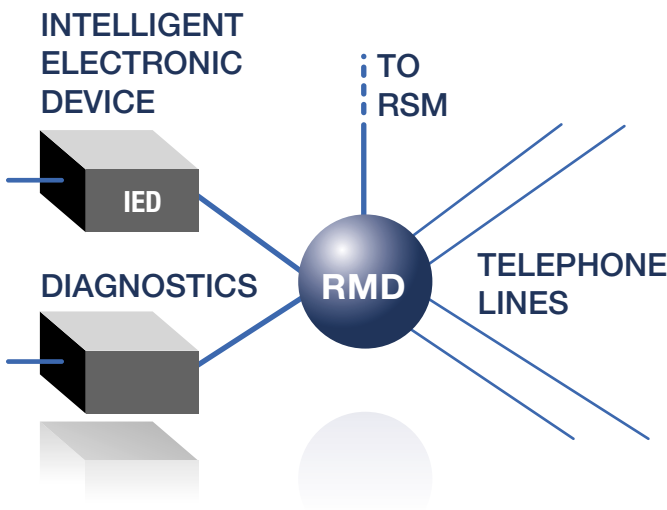
Part of a Comprehensive Solution

The Remote Modem Defender™ is one of three implementation components that comprise the Odyssey™ Product Series. The RMD provides complete protection of modems and Control Equipment through user validation and authentication.



The Remote Modem Defender™ is easily inserted into existing racks and provides visual information about status.

The Odyssey™ Product Series is “retrofitted” to your existing architecture. It integrates virtually transparent, providing valuable performance, troubleshooting, and security benefits without interrupting or adversely affecting existing network traffic.



RMD Specifications:

Available Models

Two Models: Series A – 4 modems to 4 control devices
Series B – 1 modem to 7 control devices

Indicators

Power On: Green LED
Link Status: Green LEDs
Transmit/Receive Activity: Yellow LEDs

Modems

Dial up modems that support the AT-command set

Security Specifications

Remote password management

Key Types: Symmetric
Authentication: Symmetric, with SHA-256
Pseudo-Random
Number Generator: ISAAC

Serial Ports

Number of Ports: 9
Connectors: Series A: 4 DB-9 male (DTE) for connection to modems
4 DB-9 female (DCE) for connection to control devices.
1 DB-9 for connection to RSM
Series B: 1 DB-9 male (DTE) for connection to modem
7 DB-9 female (DCE) for connection to control devices.
1 DB-9 female (DCE) for connection to RSM

Data Rate: Up to 115,200 bps
Data Bits: 8
Flow Control: RTS/CTS or None
Interface: EIA-232

Power Requirements

+12 VDC to +130 VDC Power supplied through 3-position Phoenix terminal or 120 VAC with external power adapter

Operating Temperature Range

-40° C to +85° C (-40° F to +185° F)

Enclosure

1U powder coated steel enclosure, standard 19” rack mount, other sizes available

Certifications

| | | | |
|-----------|-------------------------|-------|---------------------------------------|
| Listings: | CE Mark | FCC: | FCC Part 15 Class A |
| | ANSI/UL 60950 | IC: | ICES-003 |
| | CAN/CSA C22.2 No. 60950 | FIPS: | FIPS 140-2, Security Level 2 optional |
| | EN60950 | | |
| | EN55022 | | |
| | EN55024 | | |

ISO: Designed and manufactured using ISO 9001 certified quality program