

# EAS WATCH ENDEC SERIAL MONITOR (ESM-1)

## CASCADE TECHNOLOGY CORPORATION

**MULTI-SITE REMOTE EAS MONITORING, LOGGING AND MANAGEMENT MADE SIMPLE!**

**Now with Broadcast Audio EAS Confirmation!**

Patent Pending U.S. Patent & Trademark Office



### FEATURES

- Time stamped ENDEC activity reporting
- Remote setup via Internet
- Test button confirms connection to the server
- Configurable for a variety of protocols such as FTP, HTTP and SMTP.
- Configurable for LAN and / or multiple servers
- Capable of stand-alone operation with webpage detailing all EAS alerts received from ENDEC.
- True broadcast confirmation (ESM-1+)
- Server Side Software Included
- Includes options for working with your existing logging software. We can also assist in customizing the data format to suit your needs.

### DESCRIPTION

The ESM-1, ENDEC serial output monitor, is a free-standing unit designed to record ENDEC serial data output and pass it via a variety of protocols (FTP, HTTP, SMTP) through an Ethernet connection via Internet. Uses include multiple station remote ENDEC monitoring, EAS logging, statistics and reporting.

For EMC managers, the ESM-1+ can be used to verify RWT / RMT have been successfully received and broadcast, as well as detect spurious EAS alerts, and suspicious inactivity (Using EAS WATCH software).

The ESM-1 regularly confirms the Client and Server connection. Should a disruption occur, the unit stores the data and sends it when the connection is restored.

Features a rugged extruded aluminum case and includes a RS232 serial cable and a power supply.

- Regular server connection validation check
- Validated network software updates
- Simple to connect in minutes
- Fully compatible with EAS Watch

### APPLICATIONS

- Remote EAS monitoring of multi-station ENDEC activity
- Logging ENDEC serial data (sent / received EAS alerts) to server(s) for storage, reporting, annotation and printing to meet FCC log requirements.
- Serial Mode: Remote ENDEC management
- EAS Weekly / Monthly Required Test verification

### DIAL-UP MODEM - OPTION D

The Dial-up Modem option provides a serial modem to connect to the ESM-1.

### EAS DECODER - OPTION +

The EAS Decoder verifies on-air broadcasting of EAS alerts via station on-air audio. When the decoder detects an EAS alert, the full FSK text is captured, analyzed and the results are sent to the server.

This option also provides details on FCC spec conformance and (coming soon) Smart Silence™ detection with graduated alerting, allowing options for how and when a contact person is reached during station audio failure.

### RACK MOUNT ACCESSORY

The Rack Mount accessory provides a 1RU front panel in a similar style to the case faceplate.



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## Server Side Software and Add-on Modules:

The ESM-1 server side software allows for simple EAS logging, sorting and viewing setup with a server, with file output into several standard formats (CSV, TXT, Tab Delimited). The ENDnet module adds another layer of sophistication, allowing custom weekly report automation, customization of how the data is displayed and printed, statistics report options and more. An EMC specific plug-in module allows ESM groups and classes to be monitored for a specific alert (such as a RWT / RMT), providing near real-time monitoring of EAS activity for all stations set up with an ESM-1 (or any other product within the EAS WATCH system).

### ESM-1 SPECIFICATIONS

ETHERNET Port	Standard RJ45, 10BASE-T
Audio INPUT / OUTPUT (ESM-1+)	1/8" Stereo jack for balanced or unbalanced audio
ENDEC Serial Data Input Port	DB9 RS232 male connector
Power Requirements	110-120 VAC, 50 - 60 Hz, 0.15A
Power Supply	Energy Star rated wall transformer
Environmental requirements	10 - 40 C, 5 - 95% relative humidity
Dimensions	Aluminum extruded case: 4.06" wide x 1.2" high x 4.73" deep (10.3 x 3.05 x 12 cm) Optional Rack Mount: 19" wide x 1.75" high x 4.86" deep (48.3 x 4.4 x 12.3 cm)

### Single ESM-1 Configuration

