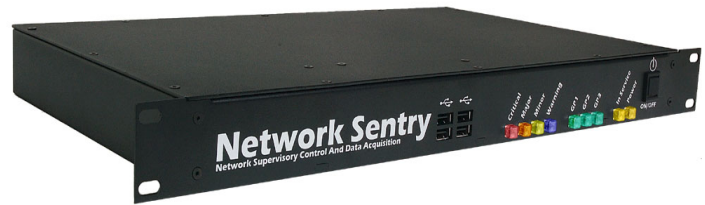


- Maintenance and download of site configuration data
- Download of subscriber unit and talkgroups
- Archiving and reporting of site call activity data
- Monitoring and display of site faults
- Advanced input/output handling capabilities
- Windows<sup>®</sup> XP operating system
- Front panel/LED indicators for alarms



## Product Overview

The Network Sentry is a powerful, compact computer that hosts Site Management Services as part of M/A-COM's total Site Management System. It provides a full array of digital communications capabilities for fast, accurate, and efficient relay of critical information. As part of the M/A-COM P25<sup>IP</sup> network, the Network Sentry plays a crucial role in meeting the communication requirements of public safety, public service, and first responders.

### Site Configuration and Administration

The Network Sentry monitors the site call processing local area network (LAN) for call activity and fault messages. The Network Sentry ensures that data such as user, group, and channel configurations is reliably transferred to configured site devices.

### Continuous Monitoring to Maintain Critical Communications

Management of resources is easier and more efficient with the Network Sentry because it was designed to take full advantage of the sophisticated capabilities of the M/A-COM P25<sup>IP</sup> network. The Network Sentry provides a detailed snapshot of the entire system, showing exact locations of problems and potential problems. Its fault monitoring services take input from the site call processing LAN, RF Power, Digital Input/Output (I/O), and Channel Test services and present alarms to external management systems via Simple Network Management Protocol (SNMP) to determine the location of the potential problems and identify in detail the severity, status, and reason for the most recent failure. This increases operator awareness, improves response time for maintaining vital communication links, and decreases repair time and system downtime.

### User Flexibility

The Network Sentry allows users to create a flexible work environment tailored to help improve efficiency and productivity. It is equipped with an array of digital Input/Outputs (I/Os) which can be configured by the user to indicate faults in devices such as tower beacons, doors, temperature alarms, etc. that require remote controlling and monitoring. This information allows users to make quick, informed decisions to meet their needs and to adapt as those needs change.

### For More Information

For more information about this or any other M/A-COM Wireless Systems product, call toll free in the U.S. 1-800-368-3277. From outside the U.S. call 1-434-455-9223 (Asia Pacific), 1-434-455-9229 (Latin America and Middle East), and 1-434-455-9219 (Europe).

## General Specifications

### Dimensions (H x W x D):

1.75 x 19.00 x 10.5 in.

4.44 x 48.26 x 26.67 cm

### Hardware:

This custom rack-mounted computer is optimized to meet the demanding requirements of front-line system monitoring in a critical communications environment. The Network Sentry operates with no moving parts over a wide temperature range with computing power provided by a Pentium® III low-voltage processor. The computer includes a fully installed and tested Windows® XP embedded operating system and application software.

### Processor Subsystem:

933 MHz low-voltage Pentium III

256 KB level 2 cache

1 GB SDRAM

### Video:

CRT and flat panel display interface

4 MB UMA frame buffer

### Storage:

Two 1 GB compact flash units

### Power Requirements:

Input Voltage: 26 VDC ±6V

Power Rating: 2.5A min at 26 VDC

### Environmental:

Operating Temperature Range:

-22 to +140°F

(-30 to +60°C)

Storage Temperature Range

-29 to +185°F

(-34 to +85°C)

### Regulatory:

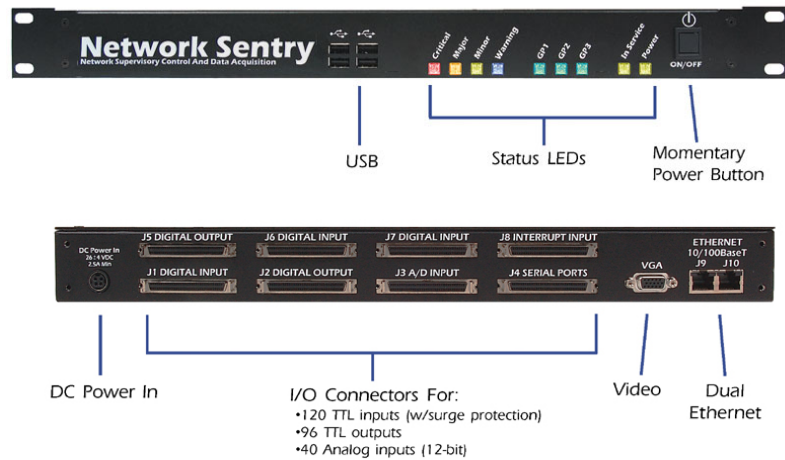
FCC Part 15, Class A

CE Marked

## Technical Specifications

### Physical Description:

Connector, indicator, and power locations are shown below.



### Input/Output (I/O):

Two 10/100BaseT Ethernet ports with RJ-45 connectors

Four serial ports, each selectable for RS-232, RS-422, or RS-485

Four USB 1.1 ports

216 Digital I/O

120 TTL inputs

96 digital outputs. Each output is socket selectable as open collector, diode isolated, or straight TTL

40 Analog Inputs

12-bit accuracy, 0-10V single ended

I/O terminates to rear chassis via 68-pin high density connectors

PC/104 expansion connector.

PC/104-Plus I/O expansion connector

### LED Indicators:

Alarms – 4 (Warning, Minor, Major, and Critical)

General Purpose – 3 (GP1, GP2, and GP3), user defined

In service and power