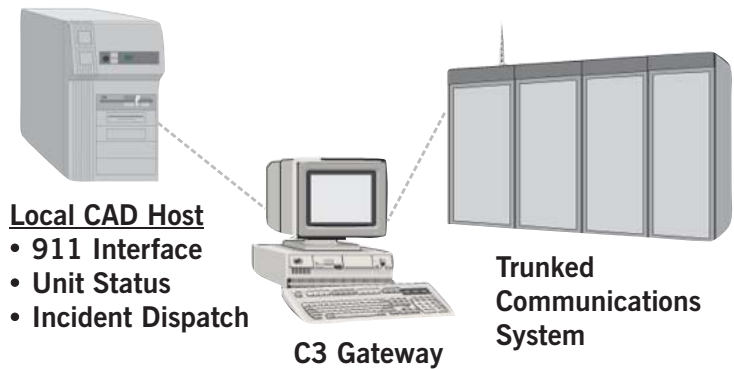


C3 Gateway Interface

Computer-aided Dispatch (CAD) systems are basic tools used by dispatchers to prioritize, manage, and document incidents. The C3 Gateway Interface provides an extension to the CAD system by allowing it to perform dispatch functionality, simplifying the demanding environment of the often-harried dispatcher. Full dispatch functionality on the CAD system provides unparalleled flexibility at the same time, helping the dispatcher maintain complete control over critical communications. The C3 Gateway uses state-of-the-art Internet Protocol (IP) technology to connect directly from the CAD position to the M/A-COM network, providing fast and efficient connections.



Product Overview

Dispatch centers are often configured with CAD equipment that typically displays the current events listing, system status, and unit information for the dispatcher. The C3 Gateway Interface provides full dispatch functionality to the CAD system. In addition to receiving data that reflects radio status, emergencies, calls, system status, and system time, the CAD system can generate dispatch commands and requests to the M/A-COM network. The C3 Gateway provides this interface using common network methods and with minimum interface requirements.

Full Dispatch Feature Set

The C3 Gateway Interface extends the entire C3 Maestro™ dispatch feature set to the CAD system. Feature operations such as simulelect, patch, and emergency can be performed from the CAD system. The actual feature set available depends upon support from the CAD system.

Unmatched Flexibility

The C3 Gateway allows users to configure their working environment to maximize productivity and efficiency. The combination of dispatch and CAD functionality reduces clutter and eliminates the need to train personnel on two systems.

Interface Architecture

The CAD System, as a client to the C3 Gateway, receives information as it becomes available. The CAD System can also send commands and requests to the C3 Gateway as needed.

Audio Interface

Transmitted and received audio is available through the speaker and headset interfaces provided by the C3 Gateway. A desk microphone and a selected transmit footswitch are also available.

The Power of IP

The C3 Gateway uses the power of IP. A standard TCP/IP socket interface provides guaranteed delivery of the messages passed between the C3 Gateway and the CAD system.

Network Independence

The CAD system is isolated from the specific interface requirements of the M/A-COM network. All protocol interfaces to M/A-COM networks are handled by the C3 Gateway and are transparent to the CAD system.

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).

Network Interface (C3 Gateway and CAD System)

Logical Host Protocols

- CSMA/CD (IEEE 802.3)

Physical Host Connections

- Ethernet
- TCP/IP

CAD Dispatch Functionality

System functionality is dependent upon the feature set supported by the CAD Systems. Dispatch features supported by the C3 Gateway interface include:

- ✓ Select Transmit
- ✓ Instant Transmit
- ✓ Unit ID
- ✓ Unit Status/Messaging
- ✓ Paging
- ✓ Patch
- ✓ Simulselect
- ✓ Select Speaker
- ✓ Talkgroup Unselect Speaker Steering
- ✓ Receive and Generate Individual Calls
- ✓ Programmable Monitored Entity List
 - Group, Units, and Conventional Channels
- ✓ Individual Entity Controls
 - Volume
 - Mute
 - Unselect Speaker Assignment

User External Interfaces

Speakers:

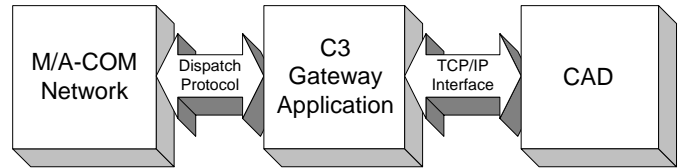
- Select
- Unselect

Desktop Microphone

Footswitch

Headsets

Architecture Block Diagram



General Hardware (Minimum Configuration)

C3 Gateway:

- Standard C3 Maestro hardware configuration.

CAD System:

- Ethernet LAN interface