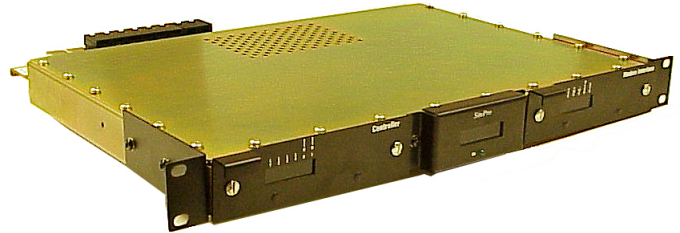


*The P25<sup>IP</sup> SitePro Controller provides network access, site database information, and Internet Protocol (IP) interface capabilities for P25<sup>IP</sup> MASTR<sup>®</sup> III stations. Using the P25<sup>IP</sup> SitePro Controllers, multi-site systems with wide-area roaming, intelligent call routing, and authenticated subscriber unit network access are all possible.*



## Product Overview

The P25<sup>IP</sup> SitePro implements Project 25 call control, network management, and remote channel management for P25<sup>IP</sup> MASTR III channels. Utilizing the SitePro, P25<sup>IP</sup> features such as radio registration, authentication, and mobility management are available on a channel-by-channel basis. The SitePro interprets and directs inbound calls, processes the calls, and issues appropriate commands about handling the calls. The SitePro is also responsible for the IP connectivity of the individual channels to the P25<sup>IP</sup> network.

### Enhanced Distributed Technology

The advanced processing power of the SitePro monitors ongoing repeater communications, while providing routing for multisite voice and data calls. The SitePro also replicates, at the site, key P25<sup>IP</sup> database information to allow uninterrupted channel operation. Even in the case of lost IP connectivity to the P25<sup>IP</sup> voice or data switch, the SitePro can maintain repeater functionality with a minimal loss of features.

### IP Connectivity

The SitePro encapsulates P25 clear and encrypted voice and data calls into IP packets for routing throughout the P25<sup>IP</sup> network. The packets contain P25 user and talkgroup IDs, allowing the network to operate with seamless end-to-end IP functionality. Additionally, the IP connectivity allows remote re-programming of the repeater.

### Call Validation

The SitePro checks the ID of every radio attempting to access the system. An invalid ID attempting to use the system will be denied access, eliminating system security breaches.

### Telephone Interconnect

The SitePro provides the control for telephone interconnect. Telephone calls can be made to and from an individual or to a talkgroup in a P25<sup>IP</sup> system.

### IP Console Connectivity

Single-site systems can use the SitePro to connect directly to IP-based consoles. This connectivity maintains end-to-end

encryption while allowing the console to have complete control over the repeater.

### Data Capability

The SitePro provides for P25 data capability in both single-site and multi-site implementations. In single-site applications, the SitePro provides IP routing information to connect directly to the data host. In multi-site applications, the SitePro works with industry-standard IP mobility management routers to correctly route data across the P25<sup>IP</sup> network.

### 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

### Mechanical:

TIA/EIA 19-inch Rack Mountable

Width:	19 in. (483 mm)
Height:	3.5 in. (89 mm)
Depth:	12.5 in. (318 mm)

### Environmental:

Temperature Range:	-22 to +140°F (-30 to +60°C)
Humidity Range:	10 to 90% @ 122°F (+50°C)
Altitude Range:	Operable up to 15,000 ft (4570 m) Shippable up to 50,000 ft (15250 m)

### Power Requirements:

SitePro<20W @ 13.8 VDC

### Signal Connections:

Base Station Line (BSL) Port	RJ-11
Ethernet Port	RJ-45
Phone Line Port	RJ-45
Serial Port	RJ-45
Power	4-pin Molex
P25 Signals to Base Station	2-row Latching Header Connector
Simulcast Signals	2-row Latching Header Connector
Diagnostic Connector on Front	RJ-11

## Regulatory Data

Federal Communication Commission (FCC)	Part 15 Compliant
Industry Canada	RSS-119 Compliant