

ASTRO® 25

When Mission Critical Communications Demand
Project 25 Interoperability and IP Flexibility



For years, the ASTRO 25 Integrated Voice and Data Mission Critical network has evolved to grow and adapt to the ever-changing demands and requirements that are placed on Public Safety organizations.

ASTRO 25 Digital Trunking delivers:

True Interoperability

Ability to communicate seamlessly with other agencies and jurisdictions that have Project 25 compliant systems.

IP Flexibility and Dependability

Allows both voice and data over a common IP-based network. And IP performance is optimized for mission critical message delivery.

True Scalability

Ability to scale from a single site to country-wide deployment. Users, geographic coverage, data applications, and links to other networks can be added as your needs and requirements evolve.

ASTRO 25... Enhanced Features for Better Communications.



Now offering you these major features:

Network Reliability

ASTRO 25 network has built in robustness with no single point of failure. Redundancy and shared routers can reroute network links in a matter of seconds.

Critical Coverage

Available in VHF, UHF, 700 and 800 MHz.

Simulcast and multicast delivers improved portable coverage in dense urban areas as well as in building coverage in heavily populated areas where frequency availability is limited.

Increased Data Performance

ASTRO 25 Integrated Voice and Data brings rapid intelligence to decisions in the field by instantly delivering a wealth of real-time information. Enhanced with High Performance Data it supports a complete new suite of applications including:

Personnel Outdoor Location Tracking – enabled by GPS technology to identify the location of personnel for fast response to an incident.

Automatic Vehicle Location (AVL) – access to vehicle location information for coordinating a multiple agency response to a crisis situation, or for day-to-day management of your mobile fleet.

Premier MDC – giving officers access to mugshots, fingerprints, reports, database inquiries and the Internet.

Text Messaging Service – enhances mobile communications by enabling dispatchers and mobile users to send and receive text messages.

Programming Over P25 (POP25) - allows the subscriber radio configuration parameters traditionally programmed through programming software to be remotely accessed and reprogrammed over the air.

Standards Based

Meeting the Project 25 standards for interoperability, Motorola continues to work with standards committees to drive future features and capabilities. ASTRO 25 gives you a timeless framework designed to maximize technology longevity. This simplifies decision-making and helps protect your investment.

New Suite of Products

MCC 7500 IP Dispatch Console – features excellent quality audio, prioritized emergency calls, true end-to-end encryption, and the proven easy-to-use Elite GUI.

Next Generation Master Site – at the heart is a powerful network architecture that provides maximum scalability with the highest availability using the next generation Network Manager and MZC 5000 Zone Controller.

Next Generation RF Site – the GTR 8000 base station and GCP 8000 site controller offer a flexible and compact platform today that enables a smooth migration to advanced network operations of tomorrow.

Enhanced Security

Secured with leading edge encryption algorithms for total control over who can and cannot listen to your communications.

Over-The-Air-Rekeying (OTAR) – automatically send new encryption keys over the air to help ensure a quick way to keep your system safe from compromise.

Network Security – safeguard your network through password authentication, radio ID, firewalls, anti-virus software, intrusion detection, and detailed network management reports to alert operators of possible hacking attempts.



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Understanding the challenges of our customers

When lives are on the line, you need a partner with experience and expertise. For more than 65 years, Motorola has been a leading provider of interoperable communications for public safety, first responders and enterprise. We stand by our customers through the entire system life cycle, from needs identification and system design through financing, deployment, training, ongoing maintenance, and future upgrades/expansions. For more information about ASTRO 25 networks and other solutions that can help you make truly mission critical communications a reality for the community you serve, visit our web site at <http://www.Motorola.com/missioncritical>