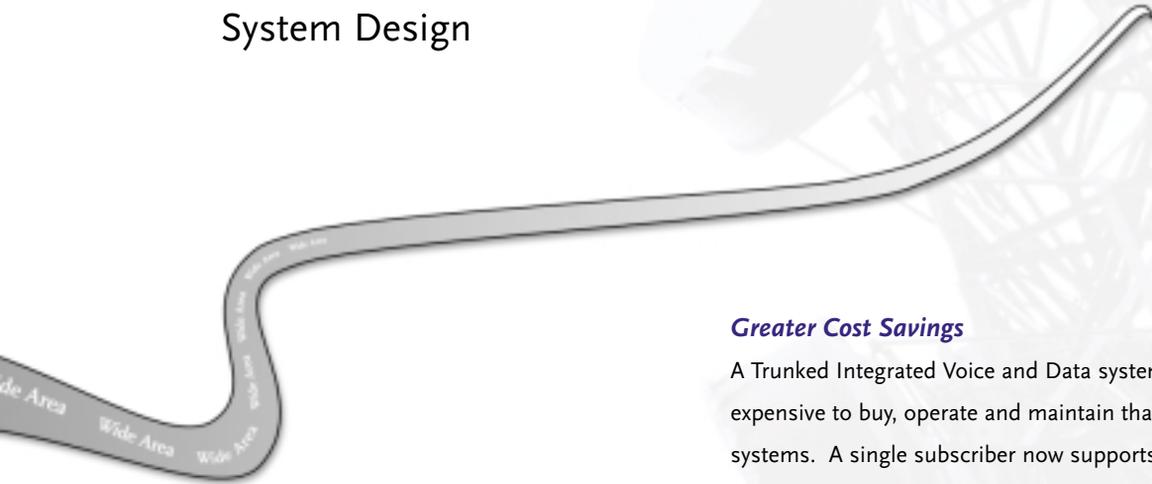


# Interoperability

## Through P25 Compliance

## Flexible System Design



### **ASTRO 25 Trunked Digital Solutions**

Our ASTRO 25 solution is your express lane to mission critical wireless performance and dependability. It offers improved operations today plus flexibility for upgrading to the communications networks of tomorrow.

### **Want More Great Reasons?**

ASTRO 25 translates into concrete benefits that position your organization to do the job your customers expect from you:

#### ***Greater Productivity***

Giving your workforce more control over the information they need to do their job improves their effectiveness. ASTRO 25 helps your wireless workforce get more done in less time.

#### ***Greater Cost Savings***

A Trunked Integrated Voice and Data system is less expensive to buy, operate and maintain than separate systems. A single subscriber now supports both voice and data operations.

#### ***Greater Operational Efficiencies***

Greater efficiencies achieved through the integration of voice and data communications can help to improve the speed and accuracy of critical information and allows for better utilization of channel resources.

#### ***Greater Security***

ASTRO 25 can be secured with leading edge encryption algorithms to help keep both your voice and data transmissions confidential.

#### ***Greater Reliability***

Our knowledge of integrated communication and information networks, and expertise in planning, deploying and servicing these systems help you to maximize your organization's success.

# Your P25 Solution

# ASTRO® 25

Motorola Digital Solutions That  
Bring It All Together



1301 East Algonquin Road  
Schaumburg, Illinois 60196

In the U.S. call: 1-888-567-7347  
Outside the U.S. call 847-538-6602

Come visit our site at  
<http://www.motorola.com/cgiss>

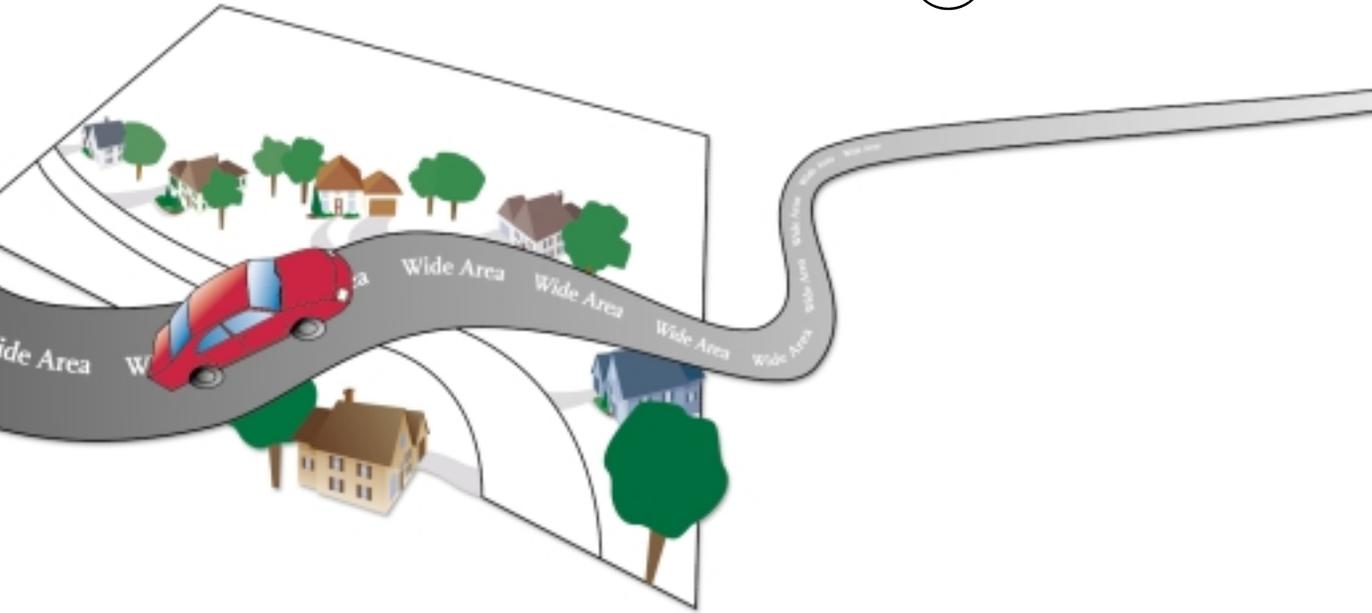
United States – Federal Division  
7230 Parkway Drive  
Hanover, MD 21067  
410-712-6200

Motorola Latin American Operations  
899 W. Cypress Creek Rd., Ste. 200  
Fort Lauderdale, FL 33309

Motorola Asia Pacific Operations  
Motorola Innovation Centre  
12, Ang Mo Kio St. 64  
Ang, Mo Kio Industrial Park, 3  
Singapore 569088  
65-486-3314

Motorola Canada Ltd.  
3900 Victoria Park Avenue  
North York, Ontario M2H3H7  
1-800-268-5758

Europe/Middle East/Africa  
Headquarters  
Motorola Ltd.  
Jays Close  
Viables Industrial Estate  
Basingstoke  
Hampshire  
RG22 4PD  
United Kingdom  
+44-1256-3-58211



# ASTRO® 25 Digital Trunking Solutions

## Trunked Integrated Voice and Data

**Motorola's Project 25 Solutions  
That Bring It All Together**

# What is ASTRO 25?



## Trunked

Integrated Voice and Data

## Centralized

System Management

### ASTRO 25 is Motorola's

third generation of digital wireless communications systems—systems specifically designed for mission critical applications. A new generation that offers a broad range of communications features, capabilities and benefits for:

- *Public safety agencies*
- *Federal government agencies*
- *Utilities*
- *Other enterprises with wireless communications needs*

ASTRO 25 is your solution to the growing demand for more integrated wireless communications. Solutions created precisely for your organization that you will need to help you improve your communications performance.

**Everything you want in a trunked integrated voice and data solution. . . and more.**

Your communications needs have become more complex. Responding to those needs drives Motorola's commitment to what's important to you:

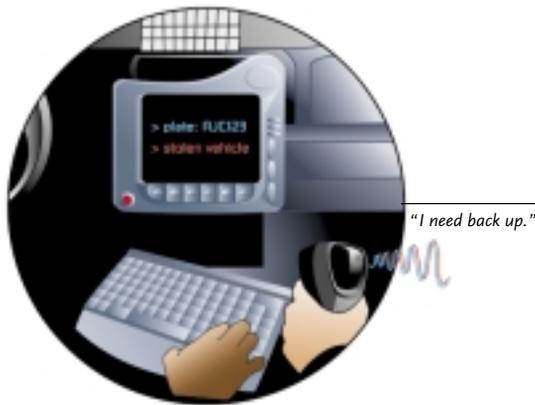
- *Trunked Integrated Voice and Data*
- *Centralized System Management*
- *Flexible System Design*
- *Interoperability Through Project 25 Compliance*
- *Experience in Designing, Integrating and Supporting Communications Networks*

*If this is the technology road you are traveling, here's your roadmap for the next stage of the journey . . . .*

# ASTRO 25 Delivers:

## Trunked Integrated Voice and Data

An ASTRO 25 Trunked Integrated Voice and Data system can meet your voice and data needs in one cost effective trunking solution. One radio and one infrastructure that supports both voice and data. The best of both worlds in one powerful system.



## Data Applications

ASTRO 25 delivers a wide variety of applications to provide users with real time access to critical information. Police, fire and EMS service personnel can quickly access information such as the National Crime Information Center (NCIC) database, other state or local databases and hazardous materials information. Data applications, such as work order dispatch, help utilities to improve customer satisfaction and increase their competitiveness in today's deregulated environment. Motorola's ASTRO 25 solution forms the technological foundation for a range of future capabilities and applications, including receiving mug shots and fingerprints in the field and downloading building floor plans at an emergency scene.

## Voice Over Packet

Voice over a Packet network, based upon VoIP technology, streamlines your communications and simplifies the management of your enterprise communications by combining voice and data into a single dedicated IP network. Packet data technology enables the system to relay voice and data communications efficiently and reliably, reducing costs and improving your network's overall performance.

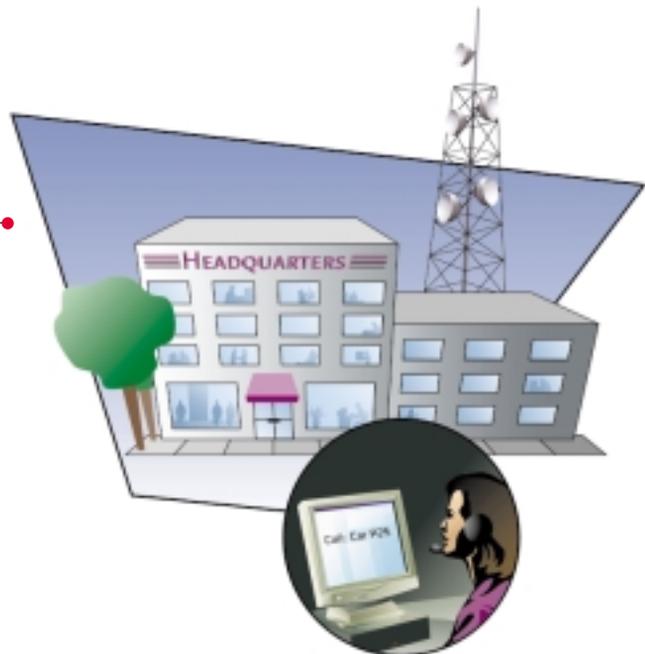
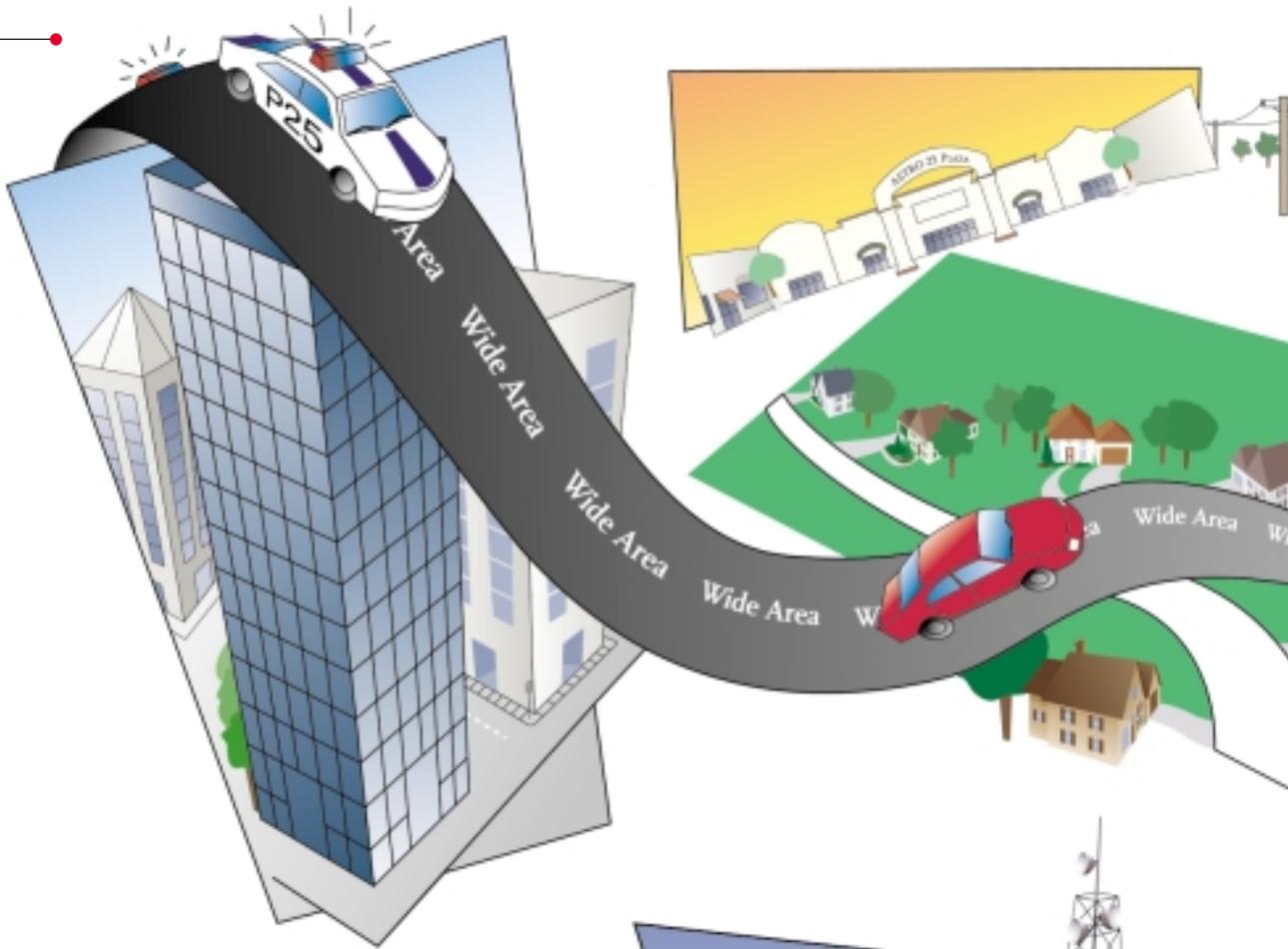
## Trunked OTAR

For even greater security, Over-The-Air-Rekeying (OTAR) is Motorola's P25 encryption key management system that gives you total control of your wireless communications while eliminating the time and cost of manually rekeying new encryption keys.



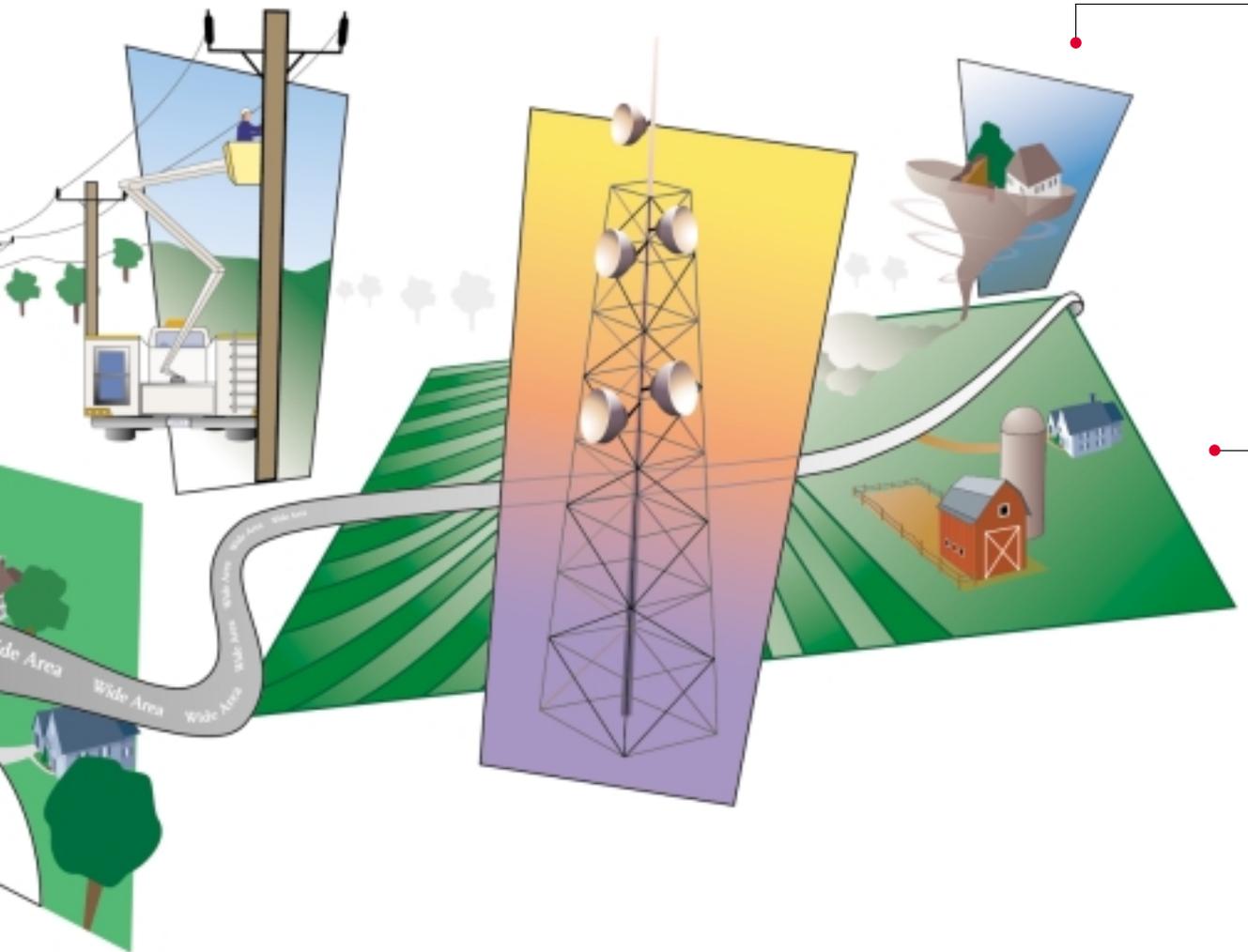
## Centralized System Management

ASTRO 25 eases system operation and management through such features as:



### ***Systemwide Clock Setting***

The accuracy of the ASTRO 25 system's network time protocol ensures that key devices on your system record events at the same time—to improve fault diagnostics and call activity tracking.



### ***Centralized Downloads***

The ASTRO 25 network management system allows you to remotely distribute software enhancements to products on the network.

### ***Improved Reporting***

You have the capability to keep your network running at peak efficiency with zone and system-level reporting, interactive statistics graphs, archiving and data export capabilities.

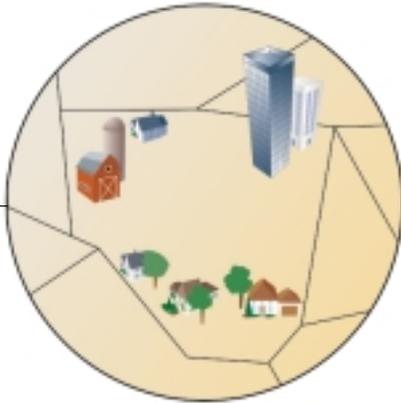
### ***Windows® Network Management***

Working in a PC familiar environment means your workforce can be trained in less time.

Centralized System Management helps keep your system healthy with current alerts, diagnostics and faults reported at a centralized location.

## Flexible System Design

ASTRO 25 offers design flexibility allowing you to optimize the system to meet your unique mix of voice, data and geographical needs.



## Scalability

ASTRO 25 has a modular design that allows it to handle the needs of any system—large or small. It assures you of seamless radio operations throughout your coverage areas.

## Narrowband Simulcast

ASTRO 25 12.5 kHz narrowband simulcast technology delivers improved portable coverage in dense urban areas as well as in-building coverage. It also provides an ideal solution for customers in large, heavily populated areas where frequency availability is limited. Simulcast technology combined with IntelliRepeater coverage ensures maximum system design flexibility to meet your needs.



## Interoperability Through P25 Compliance

When you purchase a P25 compliant ASTRO 25 solution, you're getting state-of-the-art interoperability: Common Air Interface (CAI), control channel, data, encryption and OTAR. This means faster access to information, quicker answers and improved decision making with neighboring communities.

## Supporting Your ASTRO 25 Solution

Working with Motorola you benefit from more than 60 years of communications expertise. We also offer a wide array of ongoing support and management services such as remote monitoring, software subscription agreements and technical support that make the complex—simple. Integration of our capabilities in system technologies, program management, engineering, financing, services and market knowledge provide you with the help you need to manage the day-to-day complexities of your communications network.

## We'll Make It Work For You

Motorola's reputation for proven wireless technology ensures preservation of your communication investment. ASTRO 25 is your answer to the quality, performance and peace of mind you expect from a Motorola total wireless solution.

*Unkinked Integrated Voice and Data*