

J&K COMMUNICATIONS, INC



EFJohnson

a JVCKENWOOD Company

ATLAS[®]
P25 SYSTEM



ATLAS[®] P25 System

Coreless Architecture. Maximum Reliability.

WHAT IS ATLAS

ATLAS is a distributed P25 radio system designed for mission-critical communications.

- ✓ No centralized core – eliminates single point of failure
- ✓ Each site operates independently
- ✓ Automatic failover keeps users connected
- ✓ Seamless roaming between sites
- ✓ Supports simulcast and multi-site coverage

WHY IT MATTERS

Built for Real-World Reliability

- ✓ Reduced downtime during outages
- ✓ Lower infrastructure and lifecycle costs
- ✓ Easily scalable as your system grows
- ✓ Ideal for multi-agency or countywide systems
- ✓ Supports phased system expansion



Reliable. Resilient. Built for the future.

Traditional P25 Systems vs. ATLAS[®]

Eliminate the single point of failure.

TRADITIONAL SYSTEMS

Centralized Core Architecture



- ⚠ **Requires** expensive central controller
- ⚠ Single point of failure
- ⚠ Higher infrastructure costs
- ⚠ Limited scalability
- ⚠ Complex and costly redundancy

ATLAS SYSTEM

Distributed Coreless Architecture

ATLAS[®]

P25 SYSTEM

- ✓ No centralized core required
- ✓ Built-in site redundancy
- ✓ Lower total cost of ownership
- ✓ Easily scalable as needs grow
- ✓ Automatic failover keeps users connected



More reliability. Lower cost. Built for long-term growth.

ATLAS[®] System Architecture

Coreless ATLAS P25 Design – Redundant, Scalable.

CORE COMPONENTS

ATLAS 4500 Series Repeaters

- ✓ P25 Phase 1 & Phase 2
- ✓ 700/800 MHz operation
- ✓ Conventional, trunked, simulcast, and hybrid
- ✓ Analog / P25 mixed-mode

SYSTEM CONTROL

ATLAS 8000 Controllers & Gateways

- ✓ Latitude™ distributed architecture
- ✓ No centralized core
- ✓ Each site routes traffic independently
- ✓ Integrated mobility and interoperability

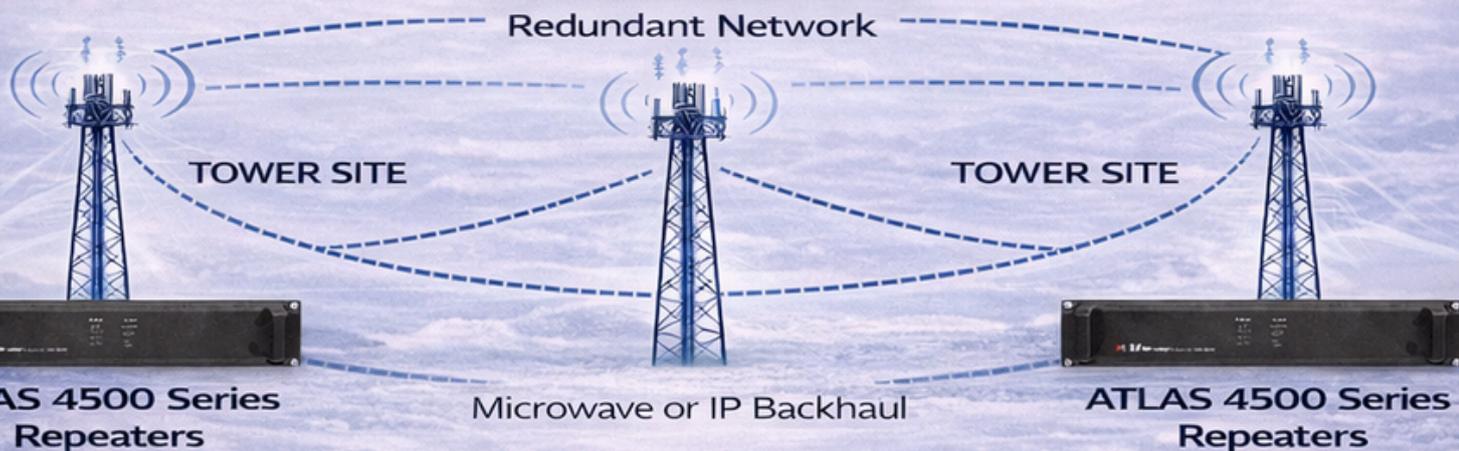
NETWORK MANAGEMENT

6200 Network Management System

- ✓ Web-based access
- ✓ Real-time monitoring and alarms
- ✓ Remote configuration and software updates
- ✓ Backup / restore
- ✓ Channel and activity monitoring
- ✓ Flat pricing – no licensing



SYSTEM ARCHITECTURE



Designed to scale from single-site systems to countywide and multi-county networks.

ATLAS® 4500 Series Phase 2 Repeaters

Reliable P25 Infrastructure for Distributed, Scalable Systems



Built for Modern P25 Systems

The ATLAS 4500 Series provides the RF foundation for the ATLAS distributed architecture, delivering reliable performance for single-site, simulcast, and multi-site trunked systems.

Designed for flexibility and long-term growth, the 4500 supports a wide range of system configurations while maintaining high reliability in mission-critical environments.

Scalable Site Architecture

Deploy single-site systems and expand to multi-site networks

- Add channels as capacity requirements grow
- Support countywide or regional coverage
- Maintain talkgroup integrity across all sites

Designed for System Reliability

- ✓ Mission-critical public safety performance
- ✓ Supports Smart Site Trunking during network interruptions
- ✓ Compatible with redundant backhaul configurations (microwave or IP)
- ✓ Built for operation in tower shelter and hardened site environments

Key Capabilities

- ✓ P25 Phase 1 & Phase 2 operation
- ✓ 700/800 MHz public safety bands
- ✓ Supports:
 - Conventional
 - Trunked
 - Simulcast
 - Hybrid system configurations
- ✓ Analog and P25 mixed-mode capability
- ✓ Designed for **distributed** multi-site architecture

The ATLAS 4500 Series delivers the reliable RF infrastructure required to build scalable, resilient P25 systems — from single-site deployments to multi-county networks.

ATLAS[®] 8000 TSNI Controller & Gateways

Coreless Control for Distributed P25 Systems



Built for Coreless System Control

The ATLAS 8000 Series provides the distributed call control that powers the ATLAS coreless architecture. Designed to eliminate the need for a centralized core, the system improves reliability, reduces infrastructure costs, and ensures continuous operation across multiple

Each site operates independently while maintaining full system awareness, keeping communications active even during network interruptions.

Built for System Resilience

- ❑ Eliminates single point of failure
- ❑ Maintains talkgroup integrity across all zones
- ❑ Seamless roaming between sites
- ❑ Supports Smart Site Trunking during backhaul outages

Interoperability & Integration

- ❑ The ATLAS 8000 provides IP-based integration to support:
 - ❑ Multi-agency and multi-system environments
 - ❑ ISSI/CSSI interoperability
 - ❑ Multiple console platforms
 - ❑ Expansion to countywide and regional systems

Key Capabilities

- ❑ **Latitude™** distributed architecture
- ❑ No centralized core required
- ❑ Each site routes traffic independently
- ❑ Supports:
 - Conventional
 - Trunked
 - Simulcast
 - Hybrid system configurations
- ❑ Integrated mobility functions
- ❑ Provides **interoperability** between system types

The ATLAS 8000 Series delivers the distributed intelligence required to build resilient, scalable P25 systems — without the cost and risk of a centralized core.

ATLAS® 6200 Network Management System

Advanced Fault Monitoring & Remote Control



Web-Based Monitoring & Control

- ▣ Secure web-based client
- ▣ Monitor ATLAS system health
- ▣ Manage remotely from any location
- ▣ Fleet management & activity monitoring

Remote Configuration & Updates

- ▣ Remotely adjust parameters and configurations
- ▣ Over-the-air software upgrades
- ▣ Reconfigure channels and talkgroups as needed

Flexibility & Redundancy

- ▣ Fully redundant operation
- ▣ Optional feature: **Network Management System (NMS)** is not required for radio system to operate.

Key Capabilities

- ▣ Real-time fault monitoring
- ▣ Backup/Restore configuration
- ▣ Security & agency management
- ▣ Upstream alarm notifications
- ▣ Channel activity monitoring
- ▣ Stats & reporting
- ▣ Managed through secure web interface

- ▣ Real-time fault monitoring
- ▣ Backup/Restore configuration
- ▣ Security & agency management

ATLAS 6200 provides advanced network management and remote control capabilities to keep your P25 system operating at peak performance.



Coreless Monitoring

Monitor distributed system health



No Licensing Fees

Flat pricing, no per-seat NMS fees



Remote Management

Manage and reconfigure the system from any location



Statistics & Alerts

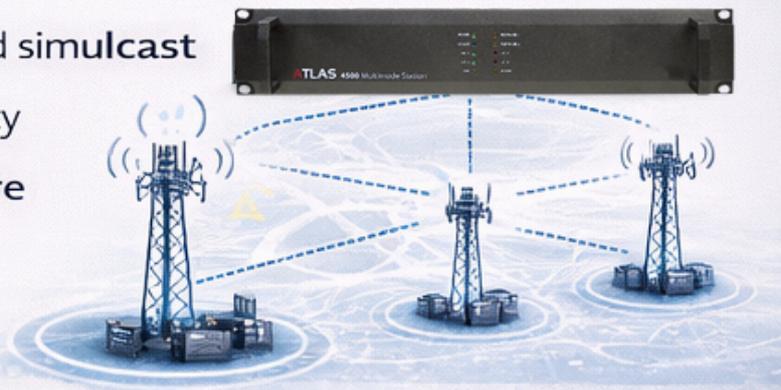
Receive alarms, reports, and not standby operation

Advanced P25 Phase 2 Capabilities

Built for modern public safety operations.

Phase 2 PERFORMANCE

- ✓ 700/800 MHz P25 Phase 2 trunked simulcast
- ✓ Increased voice capacity and efficiency
- ✓ Redundant site network architecture
- ✓ Self-healing system operation
- ✓ Redundant controllers and GPS timing



DATA & SYSTEM SERVICES

-  **Over-the-Air Programming (OTAP)**
Update radios remotely without field visits
-  **Over-the-Air Rekeying (OTAR)**
Secure encryption management from a central location
-  **GPS Location Services**
Real-time unit tracking and mapping
-  **Text Messaging**
Discreet communication when voice channels are busy
-  **Portable Battery Management**
Monitor battery health across your fleet



NETWORK & INFRASTRUCTURE

- ✓ Licensed microwave or **IP backhaul**
- ✓ Secure **Layer 3** network architecture
- ✓ Site alarm monitoring and notifications
- ✓ Scalable for future expansion

More capacity. More control. Greater operational visibility.

Interoperability Without Limits

Connect agencies, systems, and equipment seamlessly.

MULTI-VENDOR COMPATIBILITY

ATLAS supports industry-standard P25 equipment, including:

JVCKENWOOD



MOTOROLA



L3HARRIS

taït

Allows agencies to maintain existing equipment while upgrading infrastructure.

SYSTEM INTEGRATION

ISSI / CSSI CONNECTIVITY

- ✓ Connect to regional or **statewide** P25 systems
- ✓ Integrate multiple radio networks
- ✓ Enable cross-agency communication
- ✓ Maintain talkgroup coordination across systems



CONSOLE COMPATIBILITY



Protect your investment. Expand your interoperability.

Lower Total Cost of Ownership

More capability. No hidden costs. Built for long-term value.

Predictable Pricing. Long-Term Savings.

The ATLAS® P25 System is designed to reduce both initial investment and long-term operating costs. Unlike traditional systems that require ongoing licensing and expansion fees, ATLAS provides a scalable platform with the features you need—included.

- ✓ No feature licensing fees
- ✓ No per-user or talkgroup fees
- ✓ No additional costs to add channels or sites
- ✓ No expansion penalties as your system grows
- ✓ Flat pricing for Network Management System (NMS)
- ✓ Lower infrastructure requirements with coreless architecture

As your agency grows, your system grows with you—without unexpected costs.

ATLAS Cost Advantages

- ✓ Add users any time—no licensing fees
- ✓ Expand coverage without system redesign
- ✓ Add sites or channels without additional system licenses
- ✓ All system software features included
- ✓ No recurring feature activation costs

Designed for long term scalability and budget stability.

More capability. Lower lifetime cost. Built for the future.

Maintenance. Support. Training.

Keeping your system operating at peak performance.

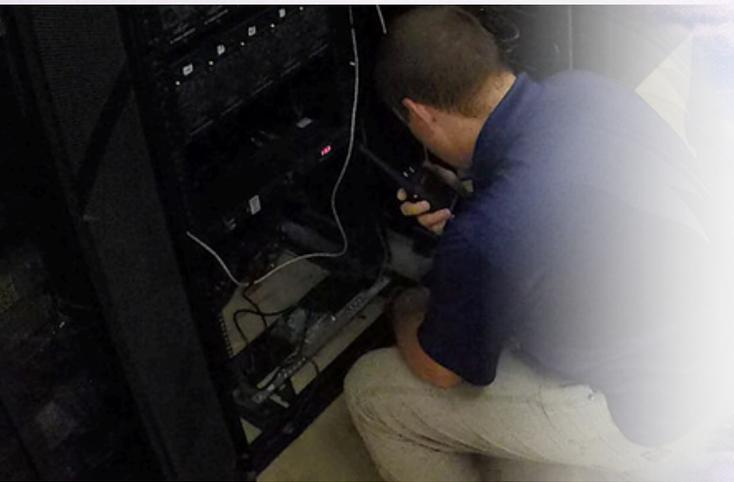
ONGOING SYSTEM SUPPORT

- ✓ Hardware repair and replacement services
- ✓ Software and firmware updates
- ✓ Remote technical assistance
- ✓ Real-time system monitoring
- ✓ Network performance optimization



PREVENTATIVE MAINTENANCE

- ✓ Scheduled system inspections (twice per year)
- ✓ Site and infrastructure evaluation
- ✓ Performance testing and optimization
- ✓ Proactive issue identification



TRAINING PROGRAMS

- ✓ **User Training**
 - ✓ System operation fundamentals
 - ✓ Daily radio and dispatch use
- ✓ **Administrator Training**
 - ✓ Fleet mapping and configuration
 - ✓ Alarm and system monitoring
- ✓ **Technical Training**
 - ✓ Microwave and infrastructure operation
 - ✓ Advanced courses available through manufacturer programs



Reliable support today. Confidence for the future.

Why J&K Communications?



Local Expertise. Proven Reliability. Built for Public Safety.

Your Trusted Partner in Critical Communications

For nearly 50 years, J&K Communications has been a trusted provider for mission-critical radio communication systems. Family-owned and locally-based, we are a partner you can rely on.

- ✓ **Local Indiana Support**
Dedicated support team based in Indiana, delivering faster response times.
- ✓ **24/7 Service & Emergency Response**
Around-the-clock support with rapid on-site service.
- ✓ **50 Years of Experience**
Established in 1976, with deep expertise in radio systems.
- ✓ **Comprehensive Solutions**
Turnkey services including system design, licensing, installation, and maintenance.

Our Commitment to You

- ✓ Expertly designed, custom-built radio solutions.
- ✓ Seamless installation and licensing assistance.
- ✓ Proactive maintenance and 24/7 emergency support.
- ✓ Long-term partnerships built on trust and reliability.



Trusted by counties across Indiana and surrounding states.



System Design



Installation



Programming



Service

(260) 244-7975 | jkcomm.com



(260) 244-7975

jkcomm.com

System Design • Installation • Programming • Service