



FASTAK™ AIRBORNE INTELLIGENT GATEWAY

TURNKEY SIMPLICITY AND GLOBAL REACH

Flexible solution for rapid airborne deployment

Collins Aerospace FasTAK™ airborne intelligent gateway system is a turnkey solution that ensures end-to-end interoperability across the full spectrum of the battlefield. Since 2008, Collins has been providing the military with ground and air mobile gateways for secure communications that offer rapid deployment, simplicity and data integrity.

Designed with a modular approach, Collins FasTAK system offers collaboration and a theater-wide operational picture to air and ground participants. Data can be securely transmitted through a redundant, self-healing system with a low probability of data link detection.

FasTAK enables warfighters to filter and communicate salient portions of information to U.S., ally and partner platforms. When faced with anti-access, area-denial (A2AD) strategies, they can enter, operate and maintain mission effectiveness within acceptable levels of attrition without collapsing the entire network of systems.

Autonomous and semi-autonomous capabilities enable the execution of tasks without constant human control. FasTAK bridges the capability gap created by proprietary waveforms by translating and forwarding them.

KEY FEATURES & BENEFITS

- Modular, flexible, scalable, portable and simple to operate
- Various installation options: Rack, pallet (463L) or Pelican Case
- Enables aircrew to see tracks from all sources available at relevant security level
- NSA Raise the Bar (RTB) V1.2 compliant cross-domain solution

Customizable, high-efficiency performance

Collins FastTAK user interface is easy to understand and set up. We provide the following basic radio configuration, but this can be adjusted by the user at the time of purchase:

- Link 16: We support all available terminals from small form factor to the MIDS-JTRS solution. The MIDS terminal comes with the TTNT waveform built in, or we can provide a T-1000 radio to provide this waveform separately.
- Line-of-sight and beyond-line-of-sight MUOS/UHF/VHF/FM: We use a variety of radios, such as our AN/PRC-162(V)1 networked communications ground radio, Harris® AN/PRC-167 Multiband Networking Manpack Radio or Harris Falcon® II AN/PRC-160 HF manpack radio.

Collins FastTAK airborne intelligent gateway uses Rosetta Technology® data link processor software. Rosetta is a data link translation and forwarding application that operates on simple laptop hardware. It is Joint Interoperability Test Command (JITC) certified for Link 16 to VMF forwarding and minimum implementation for command and control on Link 16.

Rosetta manages the translation and forwarding between all the radios and data link terminals and provides each network with a forwarded situational awareness picture of the other attached networks.

Our FastTAK gateway has an integrated router so the computing platform can sit virtually anywhere to manage the data links, radio frequencies and actual forwarding.

Collins SecureONE™ Cross Domain Solution enables the gateway to integrate SBU units and provide a high level of anti-fratricide capability for engaging forces.

CAPABILITIES

- Support for various wide band, cellular and single channel high-frequency solutions
- TTNT
- Link 16 range extension
- Link 16 to VMF data forwarding (JITC certified)
- Link 16 command and control (JITC certified)
- CoT translation and forwarding
- 50 x JREAP-C connections
- JREAP-A
- VMF translation and forwarding
- IP-based radio translation and forwarding
- OMS/UCI
- Commercial and military satellite communications

INTEROPERABILITY WITH VARIOUS SYSTEMS

- Command Post Computing Environment (CPCE)
- Joint Automated Deep Operations Coordination System
- Automated Deep Operations Coordination System
- Advanced Field Artillery Tactical Data System
- Solipsys Battlespace Command and Control Center (BC3)
- C2 Air Operations Suite
- Cloud Based Command and Control (CBC2)
- JITC certifications for participation on U.S. data link networks
- Air Force System Interoperability Test (AFSIT) certified for Link16 minimum implementation command and control
- Options to deploy to other environments, including other aircraft/platforms and Agile Combat Employment (ACE) constructs

Specifications subject to change without notice.



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learnmore@collins.com
collinsaerospace.com