



ADAMS NexGen

Airborne Digital Audio Management System

In today's complex and often chaotic environment, aircrew's need an audio management system that provides the capability to operate effectively in the Joint, All-Domain battlespace.

NexGen brings advanced capabilities to operate in the JADC2 environment with leading-edge audio fidelity designed to meet the specific needs of large crew special mission aircraft, transport and tankers.

Based on a high-performance modular and scalable open architecture design, ADAMS NexGen is adaptable to a variety of airborne applications for providing crisp and clear audio communication.



Benefits

- LCD operator panels
- Ethernet / VoIP capability
- AI-powered Active Noise Reduction
- Voice Activated Detection (VAD)
- Spatial 3D Audio
- Superior crosstalk isolation
- Highly configurable system
- Extensive redundancy
- High reliability
- Virtual panel support

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ADAMS NexGen Highlights

- Modular and scalable AMS for secure voice and data communications
- Up to 20 operators, 26 radios, 31 receivers and multiple internal networks
- Qualified to DO-160G and DO-214A
- Designed to meet MIL-STD 810, 461 and 704
- TSO certifiable to DO-178 and DO-254 DAL C for range of PCLoad parameters
- High Red/black separation, Tempest certifiable
- Wideband Sonobouy support
- Gigabit Ethernet channels for VoIP (SDRs, IP Recorders) and mission computer communication
- Supports radio relay
- AI-powered ANR and VAD
- Spatial 3D Audio
- Support 3rd party Touchscreen operation (Virtual panel), without the need for physical ACP
- Fast SW & FW programming and version loading via Ethernet without the need to remove LRUs from the aircraft
- Wireless system interface – either using an analog audio interface or Ethernet interface

Orbit Communication Systems

Specializing in the delivery of audio management systems for over 40 years, Orbit pioneered the industry's shift to digital communications technology. With thousands of installations worldwide, Orbit's solutions are deployed on myriad platforms including the F-16V, T-7A, EMB-99, C-295, C-235, C-130, KC-135, King Air 350, P-3, F-15, F-16, MIG 21, CH-53, Mi 8, T-38 and more. Orbit's customers consist of many of the world's aviation leaders, such as Airbus, Boeing, Lockheed Martin, Collins, Embraer, Gulfstream and Bombardier.

