



ADVANCED AVIONICS
for mission critical communications



CANYON

TITAN™

Digital Audio Management System



TITAN™

Massive functionality in a compact package

Smaller helicopters are increasingly being tasked to undertake tactical missions, but are sensitive to space and weight restrictions. Turboprops and light business jets of all these markets require enhanced functionality from their audio systems without the bulk.

Titan's compact, lightweight form-factor and feature-rich design addresses these needs.

Main Features

- Spatially-Separated Audio**
 Audio is perceived as coming from distinct directions, making it easier to focus on specific audio and radio sources. The result is improved message comprehension.
- Relay and Simulcast**
 When relay and simulcast are both active, aircrew and ground personnel are participating in a seamless, delay-free conference call.
- Bluetooth**
 A Bluetooth wireless interface connection for pilots allows hands-free phone calls. Cockpit crews and VIP passengers may enjoy separate music streams.

Incomparable Versatility

Titan is a high-functional-density communications management system designed to control and manage all aircraft audio. It is presented in an amazingly light and compact form factor.

Titan's family of products are all based on the same core technology, a state-of-the-art Digital Signal Processor (DSP), mixing and filtering all audio sources in the digital domain to deliver crystal clear audio.

Titan is offered in two (2) configurations providing complete flexibility for space-constrained installations.

Audio Control Panels
With Remote-Mounted
Audio Management Unit



All-In-One
Audio Controller



Audio Control Panels	Audio Management Units	Audio Controller
ACP-83 & ACP-84	AMU-80 & AMU-82	AMS-80
2.56 / 5.0 / 3.0 in	6.58 / 6.0 / 2.91 in	6.5 / 5.0 / 3.0 in
65 / 127 / 76.2 mm	167 / 152.4 / 73.8 mm	165 / 127 / 76.2 mm

Features

Cockpit Voice Recorder Outputs

Three (3) CVR outputs are supported: pilot/co-pilot/configurable (users 1-8). CVR outputs are fully compatible with latest and previous EUROCAE ED-112 requirements.

Internal Warning Audio Generator

Titan offers three (3) internal programmable aural warnings. The messages are .WAV files, assigned by configuration management software, active or Lo.

Configurable Talk Groups

Talk groups are an essential feature in aircraft executing tactical missions. Titan offers three (3) configurable talk groups, and three (3) isolation modes.

Warning Audio Inputs

Titan supports five (5) direct audio inputs for external warning audio.

High Fidelity Music

Titan features two (2) separate stereo music inputs. The expected input level is configurable. Who hears each input is defined by the configuration management software.

Eight (8) Stereo Headsets

The Titan system supports eight (8) stereo or mono headsets.

Nine (9) Transceivers

Titan provides support for nine (9) transceivers (e.g. two (2) comm's, six (6) tactical radios and a PA) and six (6) navigational receivers.

Powered Reversionary Mode

The 'Reversionary' mode (back-up) allows for continued ATC communications, crew ICS, Nav audio and external aural warning audio should 'Normal' mode circuitry fail. Back-up mode ensures communications and continued safe flight are always available.

Multiple ICS Tielines

Titan's ICS tie lines are used for expansion, allowing multiple systems to be tied together. Titan will support two (2) analog Intercom audio (ICS) tie lines. Titan will support two (2) analog Intercom audio (ICS) tie lines and one (1) digital tie line.

Fast Customization

Titan has installation customizable legends and a USB maintenance port for simple and fast configuration, thus reducing the number of part numbers to be stocked and certified.

Latest TSO

The Titan system is fully compliant with the latest RTCA hardware and software qualification requirements and holds TSO-C139a. ETSOA equivalence is claimed under the EASA/FAA reciprocal agreement.

Digital Signal Processor

State-of-the-art Digital Signal Processor (DSP) mixes and filters all audio sources in the digital domain to deliver crystal clear audio.



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Canyon AeroConnect is a global supplier of avionic-standard aircraft communications, navigation and audio/intercom systems