

JetLAN Capabilities

The JetLAN AS250 and AR250 support a variety of applications, including customer specific applications.

COBHAM

2011 Data Sheet

The most important thing we build is trust

Network File Server & Router

The JetLAN provides a transparent link between passengers and the ground via high-speed data Satcom. Users access the local area network through a wired or wireless-equipped cabin. Applications supported by this link include:

- Cell phone use in-flight (voice & data)
- Internet browsing
- E-mail
- VPN connection
- Video conferencing

Communications Resource Management

By specifying preferences in allocating on-board resources, the JetLAN can save money for users by determining best ways to send data. It will also store information until a data channel becomes available.

Data Acquisition, Analysis, and Storage

By way of avionics specific inputs and outputs such as ARINC 429, 717, and 1553 the JetLAN can be configured to interface to cabin peripherals such as cameras for aerial photography and video capture. This data can be stored and simultaneously displayed on a cabin monitor. The JetLAN is also capable of receiving aircraft position on both commercial and military aircraft; which can be time-stamped, stored and used to drive a moving map display of the current aircraft position.

Server for Electronic Flight Bag

The JetLAN server enables flight data uploaded into the EFB to be viewed and updated on the EFB. Dynamic content, such as smart forms, can be browsed and completed in-cockpit. Compulsory read notices can be read and signed for. A complete audit trail of EFB user activity is retained. Audit trail and completed forms are retained for uploading post-flight via EFB Media Manager to the EFB Ground Manager for further processing by the airline's ground systems.

Safety & Maintenance Data Computer

The In-Flight Safety Monitoring System (ISMS™) picks up data from various data points within the aircraft and analyzes the data. This specialized software checks for exceedences and constantly trend monitors the information comparing it against the norm levels.

All the data is processed, transmitted via Satcom and Data Radio to a ground station and sends an alert if a problem is anticipated or an incident has occurred. This enables the airlines personnel to monitor the aircraft via the Internet and to suggest a course of action to be taken.

Support for In-Flight Crew Networks

The JetLAN can assist crews in reducing workload and paper documentation by tracking everything from supply inventories and employee hours to electronics payment verification.



ACARS-Based Communication

The JetLAN can be used to display and/or store ACARS message sets as determined by the end user. This service is available over various satellite networks with our specialized software.

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