



JetLAN Capabilities

Network File Server / Router

In conjunction with a High Speed Data SATCOM, the JetLAN provides a transparent link between a passenger laptop and the internet for web browsing and email. Similar to an office environment, the user will access the local area network by plugging into a wired or a wireless equipped cabin.

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.

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.

In-Flight Safety Monitoring System (ISMS™)

The 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.

Data Acquisition, Analysis, and Storage

By way of avionics specific I/O such as ARINC 429, 717, and 1553 the JetLAN can be configured to receive aircraft position on both commercial and military aircraft. This data can be stored with time stamp and use to drive a moving map display to display the current position of the aircraft. The JetLAN is also capable of interfacing to cabin peripherals such as cameras for aerial photography and video capture. This data can be stored and simultaneously displayed on a cabin monitor.

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 low cost satellite networks with our specialized software.

Support for In-Flight Crew Networks

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

