

AFIRS™ 220

Iridium Global Communication System



Data and Voice Connectivity

INTEGRATED COCKPIT AUDIO, INTELLIGENT DATA TRANSMISSION, REMOTELY PROGRAMMABLE, BUILT IN QAR, EFB IN-FLIGHT CONNECTIVITY (INCLUDING iPad)

FLYHT's AFIRS 220 Iridium Global Communication System provides aircraft crew with reliable voice and data services. The AFIRS 220 has an Iridium dual voice and data modem enabling integrated cockpit audio, cordless handsets in the passenger cabin and worldwide two-way data communications.

The AFIRS 220 offers telecom flexibility via conventional 2-wire "Tip and Ring" telephony devices. Up to 2 wired and 1 cordless handsets can be added in the cabin providing intercom, call transfer, conference calling, camp-on calling and noise cancelling features. This provides the crew with worldwide access to MedAire or other emergency medical services.

The AFIRS 220 has expandable interface capabilities that allow it to connect to numerous aircraft systems. Data based services available through the AFIRS 220 include automated OOOIs, flight following, engine trending, live-FOQA exceedance reporting, and fuel management. The 220 also functions as a Quick Access Recorder with a built-in 2 GB compact flash removable media and can also connect to EFBs, providing your applications with real-time data connectivity, both on the ground and in the air.

AFIRS 220 system meets all the certifications and performance standards necessary to support installation on any aircraft model.

Product Details

- 1 – ARINC 717 Rx (HBP or BPRZ)
 - 2 – ARINC 429 Rx
 - 12 – Discrete Inputs
 - 2 – Discrete Outputs
 - 2 – RS-232 Serial (or RS-422)
 - 1 – Maintenance Port
 - 2 – 2-Wire “Tip and Ring”
 - 1 – Telephony Ports
 - 1 – Aircraft Audio System Interface
 - 1 – Number of Antennas Required
- Built in Enhanced QAR (2 GB Compact Flash)
EFB in-flight connectivity (including iPad)

Certifications/Compliances

ARINC 429 Mark 33 Digital Information Transfer System
ARINC 717 Flight Data Acquisition and Recording System
RTCA/DO-160E
Transport Canada Civil Aviation Approved Manufacturer
Transport Canada Civil Aviation Approved Maintenance
and Repair Organization
FAA, EASA, TCCA, VSTC STC Approvals

LRU Specifications

Chassis L – 15.12”, W – 4.90”, H – 4.425”
ARINC 404A Reduced Height
½ ATR Short Enclosure
28 VDC Power Supply
Weight 6.9 lbs (3.13 kg)

