**ED35 & ED36**

AUXILIARY FLIGHT DATA ACQUISITION & MANAGEMENT UNIT

- Massive flight data acquisition device
- Highly reconfigurable device
- Improve safety & maintenance through data analysis
Developed for the ATR family, the ED35 and ED36 auxiliary flight data acquisition and management units fulfill the multi purpose computer requirements. The ED35 is dedicated to 200/300/500 series retrofit and the ED36 is dedicated to 600 series.

These new features include several key improvements in both safety and maintenance fields:

- Monitoring of the aircraft performance (ATR APM function)
- QAR/DAR recorder on PCMCIA card
- ‘Web ECTM’ trend monitoring ready data stored on the PCMCIA card
- ACM reports stored in the PCMCIA (txt format):
  - Cruise
  - Exceedance
  - G-Meter
  - Flight central maintenance computer (CMC)
  - Ground test CMC
  - Instant flight CMC
  - PW127M engine cycles
- 69 additional reports are programmable by the customer using the GSE or on request

**Key AFDAMU features**

- Supplier Furnished Equipment (SFE) for ATR42/ATR72 & ATR600
- Dimensions: 3 MCU
- Weight: < 6 Kg
- Power: 28V DC
- Two independent processors
- Data acquisition: per ATR request
- FDR output: up to 1024 words/sec
- Up to 10 FDR data frames
- Quick access recorder: PCMCIA or SD cards
- Mandatory by the EASA AD No 2009 – 0170

**Key functional features**

**Safety**

- Airplane Performance Monitoring
- Enhanced Surveillance; ADS-B
- Data concentrator for FDR per latest Authorities requirements

**Maintenance**

- Quick Access Recorder (QAR/DAR)
- Aircraft Condition Monitoring (ACMS) including Engine Trend Monitoring & aircraft troubleshooting reports
- G-Meter
- Maintenance BITE Monitoring
- Comprehensive ACMS reprogramming for customized detections, computing & recording
- Communication protocols with ACARS, MCDU...

**Wireless ready:**

- WEFA* Plug & Play capability
- Worldwide 3G Connection
- 100 % Data Transfer

* Wireless Extension For ACMS (WEFA)