



ED35 & ED36

AUXILIARY FLIGHT DATA ACQUISITION & MANAGEMENT UNIT

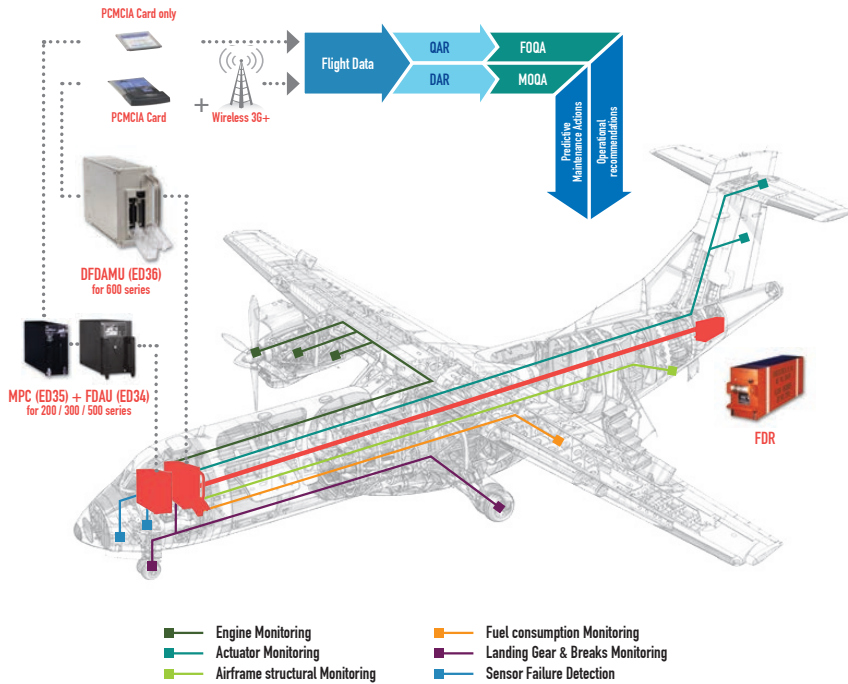
- Massive flight data acquisition device
- Highly reconfigurable device
- Improve safety & maintenance through data analysis

 CASSIOPÉE

ED35 & ED36

Auxiliary flight data acquisition & management unit

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.



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

Wireless ready:

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

* Wireless Extension For ACMS (WEFA)

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
- SAR recorder on PCMCIA card (or in DMU memory with limited storage capacity)
- ACMS 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 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...

PUT YOUR FLIGHT DATA TO WORK

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