

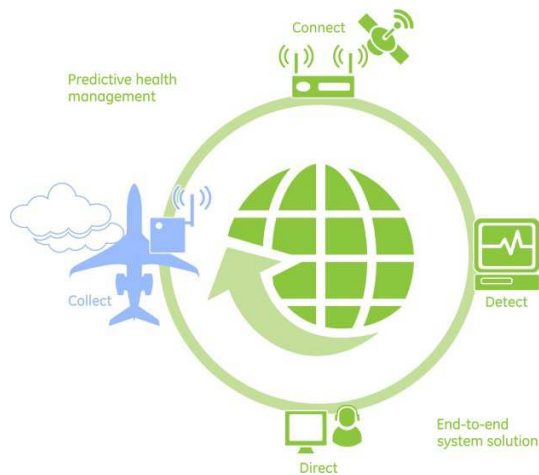
## GE Aviation

The Aircraft Health Management Unit (AHMU) collects your aircraft data for analysis and reporting in-flight, on-ground, and during maintenance events. The AHMU's design supports acquisition from many types of avionics interfaces with enough on-board storage to store over 100+ hours of data. The AHMU is designed to integrate with your avionic systems to best support the maintenance and reporting of your total aircraft according to your schedule. The design supports global connectivity with in-air transmission to a supported ground system through GE's Wireless Data Transfer Unit (WDNU) or other compatible on-ground and in-flight communication links.

AHMU leading characteristics:

- Acquisition of 10,000+ parameters
- Customer configurable parameter acquisition
- Customer configurable algorithms / math operations
- Comprehensive interface compliment
- 100+ hours of data storage
- Robust security architecture
- Lightweight at 4.3 lbs.

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# Model 3279B1/C1 Aircraft Health Management Unit (AHMU)



## Technical specifications

### Functions

- High Data Rate Bus Parameter recording
- Event Detection
- Off-board communications (on-ground, in-air)
- Avionics dataload server
- Avionics file server
- Maintenance User Web Interface
- Customer defined analytics

### Storage

- 100+ GB Available (128 GB Solid State Drive)
- 16 GB Removable SD Card
- Storage optimized recording format

### Software

- RTCA DO-178B, level D
- Designed for RTCA DO-326A security

### Interfaces

- Ethernet bus 10/100 Mbit, 5 channels
- Ethernet bus 1000 Mbit, 1 (front panel)
- ARINC-664p7, 1 (C1 model has 2)
- ARINC-429, RX 15
- ARINC-429, TX 4
- ARINC-717/RS-422, RX/TX 5
- Input discretes
- Output discretes
- SD Card (front panel)
- USB (front panel)

### Qualifications

- Environment: DO-160G

### Physical size

- Inside 2 MCU

### Weight

- 4.3 lbs. (1.95 kg)

### Power

- 28VDC, 28W Nominal

### Mounting

- Tray mounted (preferred for maintainability)
- Direct mount capable

### Flight Line support

GE's AHMU integrated toolsets minimize the cost for operating systems through life:

- Historical data and Live data can be reviewed using a standard web browser
- Data can be exported to removable media or through the web browser

### System Configuration

Configuration is performed by GE and the Customer using a hosted web based tool:

- Parameter selection including acquisition and recording rates
- Event detection definition - parameter based condition evaluation
- Communication configuration
- Customer specific account definitions

### End-To-End Solution

GE's AHMU is one part of an end-to-end IVHM solution for collecting, analyzing, and producing actionable information. With our IVHM we can show you where a problem occurs on an aircraft in a fast, accurate, easily accessible, and concise manner.



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