



## GE Wireless Data Network Unit (WDNU)

Robust, cost-effective Wi-Fi and cellular access to aircraft data, globally\*

### A proven solution for seamlessly and securely connecting aircraft data to ground support networks and staff

\*Cellular service and/or Wi-Fi enabled device required

The Wireless Data Network Unit (WDNU) connects your aircraft data, globally, to the ground infrastructure network or directly to maintenance through cellular or Wi-Fi connectivity\*. GE's WDNU is designed as part of an overall Integrated Vehicle Health Management (IVHM) system that includes GE's Aircraft Health Management Unit (AHMU) and Ground Services Network (GSN).

### End-To-End Solution

GE's WDNU is part of an end-to-end IVHM solution that collects and analyzes aircraft operation data for more informed maintenance actions. With GE's IVHM aircraft issues are identified in a fast, accurate, easily accessible, and concise manner.



● 400+ A/C across 7 aircraft types

## WDNU Leading Characteristics

- Aircraft side Wi-Fi and data access
- Supports up to 12 wireless users
- Worldwide cellular coverage for data access
- Upgrade software in the field and on the aircraft
- Robust security architecture
- Lightweight at 1.5 lbs
- Direct mount
- Comprehensive built-in test for self-diagnostics
- Environmental DO-160 F/G

## Supported Interfaces

- 802.11a/b/g/n WiFi
- Cellular 2G, 3G, 4G (HSPA+, LTE mid-2020)
- 802.3 Ethernet
- RS-232
- Discrete I/O

## Functions

- Secure data transfer (download and upload)
- Wireless Data Access Point
- Built in wireless router

## Software

- Meets RTCA DO-178B, DAL E design criteria
- LINUX® based operating system

## Ground Support Equipment

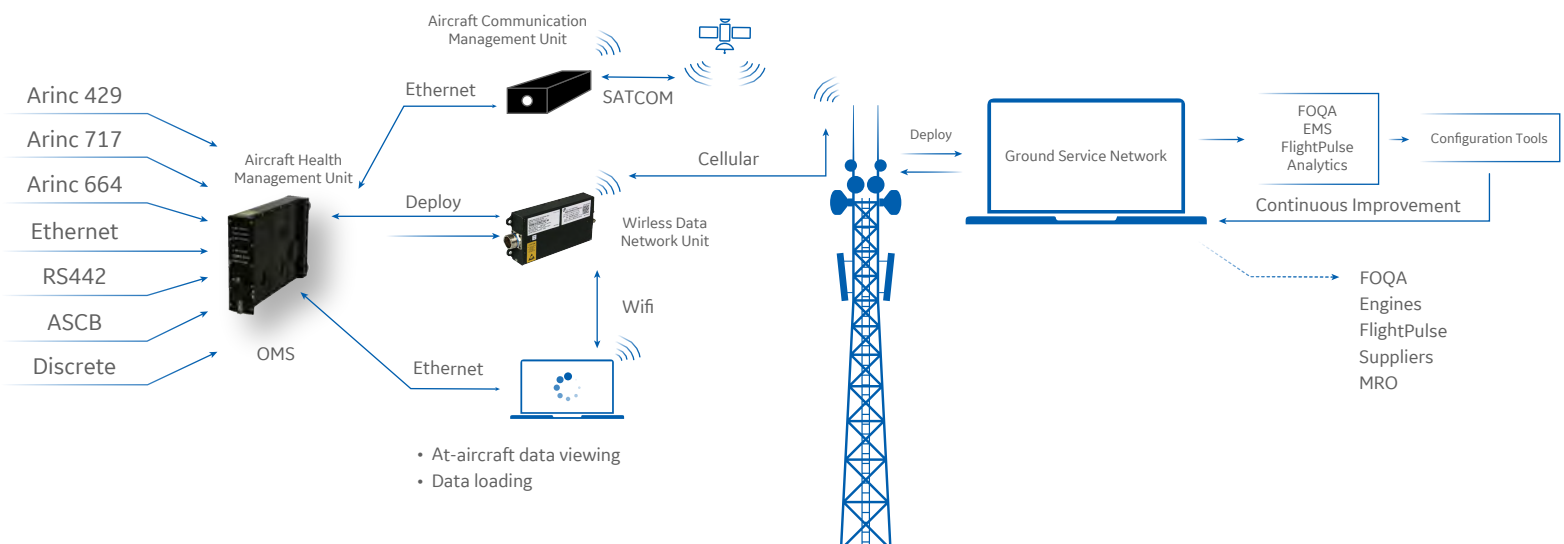
- The WDNU Wi-Fi allows wireless aircraft side review of live and recorded data via web browsers
- Global cellular coverage\* connecting your aircraft data to your maintenance staff wherever you may be in the world.

## GE Integrated Vehicle Health Management (IVHM) system

### Connect

### Manage

### Understand



Learn more at [geaviation.com/connectedaircraft](http://geaviation.com/connectedaircraft)

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