

# MicroStrain Wireless Fixed-Wing Health Monitoring

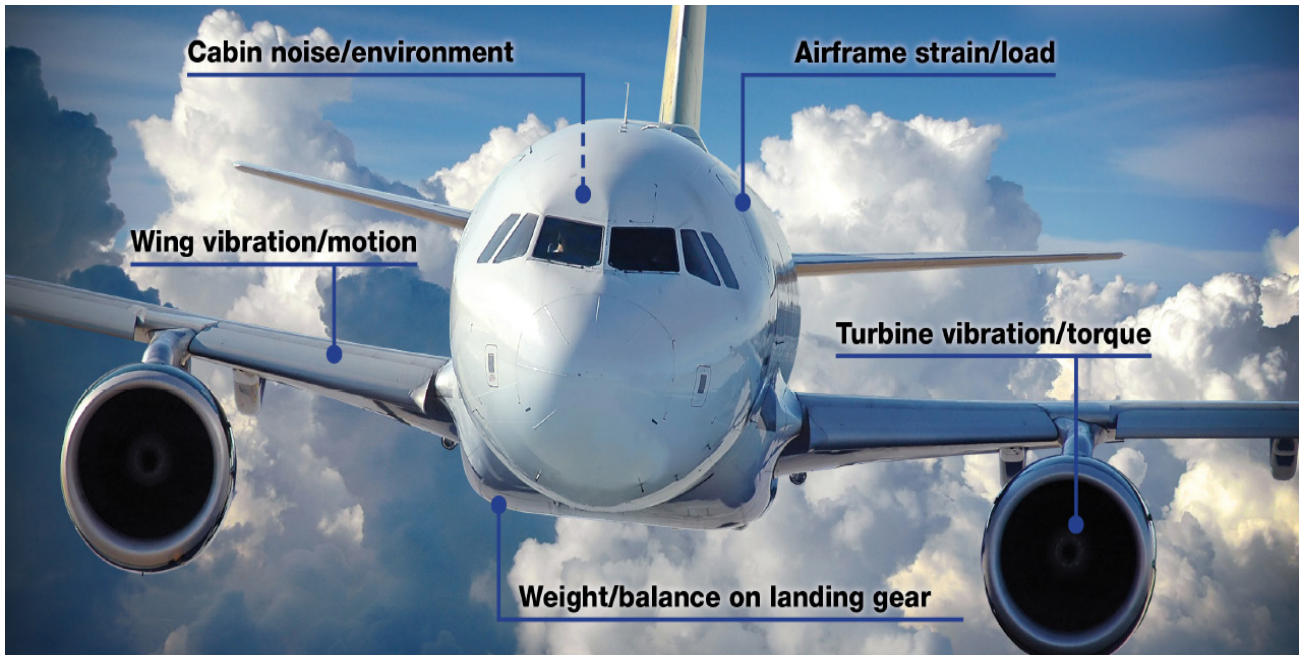
Instant, comprehensive reporting of aircraft health, from nose to rudder

Monitoring aircraft component health allows operators and manufacturers to more accurately detect defects, premature wear, and other issues that result in increased maintenance costs and unexpected downtime. Monitoring conditions such as vibration, strain, and noise result in safer operation, as well as a more pleasant experience for crew and passengers.



**MicroStrain wireless health monitoring** eliminates the need for bulky, intrusive wiring. It's easy to install and maintain, and can be customized to any aircraft type.

The system samples continuously at a high rate, and allows data storage, review and analysis with MicroStrain's SensorCloud platform.



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# MicroStrain SG-Link and G-Link LXRS Wireless Nodes

- Multi-channel nodes with internal temperature sensor
- Deployment of up to 2km from wireless base station
- Continuous data sampling range: Once per hour to 512Hz
- Operating temperature range: -20 to +60°C
- LXRS proprietary protocol: Lossless Extended Range Synchronized wireless data
- Low power consumption, rechargeable battery
- IP65/66 environmental enclosures available
- Data storage: local and/or forwarded to SensorCloud server (when integrated)

## MicroStrain SG-Link-LXRS

Wireless Strain Gauge Input Node



58 x 50 x 21 mm

42 grams

Differential analog channel

Single-ended analog channel

## MicroStrain G-Link -LXRS

Wireless Accelerometer Node



58 x 43 x 21 mm

40 grams

Tri-axial MEMS accelerometer (3 ch.)

Parker Hannifin Corporation  
**MicroStrain Sensing**  
459 Hurricane Lane suite 102  
Williston, VT 05495  
phone 802 862 6629  
Email: [sensing\\_sales@LORD.com](mailto:sensing_sales@LORD.com)  
[www.microstrain.com](http://www.microstrain.com)  
[www.parker.com](http://www.parker.com)



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