Fixed-Wing Wireless Health Monitoring
Instant, comprehensive reporting of aircraft health, from nose to rudder

Why monitor fixed-wing health?
By monitoring aircraft component health, operators and manufacturers are able 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 can also result in safer operation, as well as a more pleasant experience for crew and passengers.

Wireless health monitoring:
- Eliminates need for bulky, intrusive wires
- Is easy to install and maintain
- Can be customized to any aircraft type
- Samples continuously at a high rate
- Allows data storage, review, and analysis with LORD MicroStrain’s SensorCloud™ platform
LORD MicroStrain G-Link® and SG-Link® LXRS® Wireless Nodes

- Multi-channel nodes with internal temperature sensor
- Deployment up to 2 km from wireless base station
- Continuous data sampling range: once per hour to 512 Hz
- 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)

**LORD MicroStrain SG-Link™-LXRS®**
Wireless Strain Gauge Input Node

58 x 50 x 21 mm
42 grams
Differential analog channel
Single-ended analog channel

**LORD MicroStrain G-Link™-LXRS®**
Wireless Accelerometer Node

58 x 43 x 21 mm
40 grams
Tri-axial MEMS accelerometer (3 ch.)

All solutions are backed by LORD MicroStrain’s world-recognized Support Staff.
For pricing and ordering information, contact LORD MicroStrain Sales: 800.449.3878

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