Featuring LXRS® lossless protocol, our wireless nodes enable simultaneous high-speed sensing and data acquisition from multiple inputs as part of a scalable network. They are ideal for condition-based monitoring, structural health monitoring, and test & measurement. A network of wireless nodes can be synchronized to ±32 microseconds. Most nodes offer continuous, burst, and event-triggered sampling. The following are just a few of the many nodes LORD MicroStrain offers, along with OEM versions:

**V-Link®-LXRS®**
7-CHANNEL ANALOG INPUT NODE
- Four differential & three single-ended analog inputs, plus internal temperature sensor
- User-configured sample rates up to 512 Hz (continuous), 10 kHz (burst)

**G-Link®-LXRS®**
ACCELEROMETER NODE
- High-speed triaxial ±2g/10g MEMS accelerometer, plus internal temperature sensor
- User-configured sample rates up to 512 Hz (continuous), 10 kHz (burst)

**IEPE-Link®-LXRS®**
IEPE SENSOR NODE
- One-channel IEPE accelerometer
- User-configured burst sample rates from 1 kHz to 104 kHz

**SG-Link®-RGD-LXRS®**
RUGGEDIZED ANALOG INPUT NODE
- Four analog inputs, triaxial MEMS accelerometer, plus internal temperature sensor
- User-configured sample rates up to 512 Hz (continuous), 10 kHz (burst)
- MIL-STD-461F-rated enclosure

**Applications**
- Test & Measurement
- Condition-Based Monitoring
- Structural Health Monitoring
- Environmental Monitoring
- Control Systems

**Measured Parameters**
- Torque
- Vibration
- Pressure
- Power/Energy
- Strain
- Temperature
- Acceleration
- Load
Wireless Gateways
microstrain.com/wireless/gateways

Our wireless gateways coordinate and maintain wireless transmissions across a network of wireless sensor nodes via included Node Commander® software. Most gateways are available with a variety of outputs, including USB, RS-232, CAN, Ethernet, and analog and can easily tie into a PC, PLC, DAQ, or into our SensorCloud™ software. A MIL-STD-810F/461E option is also available.

**WSDA®-1500-LXRS®**
**WIRELESS SENSOR DATA AGGREGATOR**
- Ethernet and J1939 CAN interfaces, micro SD 4GB data storage
- Configurable for static IP, a DHCP-enabled LAN, or as a local datalogger

**WSDA®-Base-104-LXRS®**
**WIRELESS USB BASE STATION**
- USB 2.0 communications interface @ 921,600 bps
- 1 Hz beacon provides ± 32 μsec node-to-node synchronization

SensorCloud™ is a unique web-based, remotely-managed, and globally-accessible platform for sensor data storage, visualization, alerts, and analysis. It leverages powerful cloud-computing technologies to provide excellent data scalability, rapid graphing, and user-programmable analytics.

**SensorCloud™
CLOUD-BASED DATA MANAGEMENT**
- Securely upload sensor data from any web-based source
- Navigate through massive amounts of data, and quickly zero in on key points
- Create actionable email and SMS alerts
- Configure, view, and record high-speed data streams in real-time

Also available from LORD MicroStrain

**Inertial Sensors**
microstrain.com/inertial
Miniature sensors for orientation, heading, attitude, position, and velocity. IMU, AHRS, and GPS/INS sensors available, including tactical-grade and ruggedized options.

**Displacement Sensors**
microstrain.com/displacement
Contact sensors (sub/microminiature, gauging/non-gauging), non-contact sensors, and signal conditioners for measuring highly precise data where not previously possible.