



NEW PRODUCT ANNOUNCEMENT

NEW CLIMATE AIR+ MONITORING SYSTEM FROM NOVUS

CAS Dataloggers is pleased to announce the new [Climate Air+](#) environmental monitoring system from Novus Automation. The system is comprised of two products: the RHT Air+, a temperature and humidity sensor/transmitter, and Air Gate+, an IoT gateway to upload and pass data to the [cloud](#). Together, these devices enable data collection, storage, and online transmission, ensuring continuous, secure and reliable monitoring in compliance with FDA and GMP regulations.

The system uses wireless, encrypted LoRa radio communication, ensuring a stable connection in environments with physical barriers or long distances. In open-field conditions, the transmitter and receiver can be separated by up to 3 km (1.8 miles) making it ideal for large warehouses, industrial facilities, and data centers. To improve data reliability, both devices have internal data buffering for up to 50 days, with a 5-minute publishing interval, ensuring that even in extreme cases of communication loss, your data is preserved.

RHT Air+ High Precision Transmitter

The [RHT Air+](#) is a wireless sensor designed for continuous monitoring, with internal memory for up to 15,000 records, a 2-channel display, and a battery life of up to 2 years, ensuring data integrity even in the event of communication failures. Key features include:

- High Accuracy: $\pm 0.2^{\circ}\text{C}$, $\pm 1.5\%$ RH
- Internal Memory: Store 15,000 data sets = 50 days at 5 minute intervals



- Internal Backup Battery: Battery life up to 2 years
- Built-in Display
- External Power Input: 5VDC, USB-C
- Regulatory Compliance: Complies with FDA 21 CFR Part 11
- Data Security: Protection through proprietary encryption

AirGate Air+: Gateway for Scalable Monitoring

The [AirGate Air+](#) is an efficient gateway that allows the connection of up to 32 RHT Air+ sensors, providing a secure and resilient network for remote monitoring. Key features include:

- Open communication protocols for data transmission: MQTT, NTP, Modbus-TCP
- Ethernet and WiFi Network Connections
- Supports up to 32 RHT Air+ sensors in a single network
- Memory buffer for up to 480,000 records
- USB-C Interface: Used for configuration and data download
- Versatile External Power Input: 8 to 30 VDC

The Climate Air+ is an ideal solution for companies requiring continuous and secure environmental monitoring, in applications such as pharmaceutical warehouses, data centers, manufacturing facilities, logistics, clean rooms, and laboratories. With LoRa technology for long-range communication and proprietary encryption for data security, the Climate Air+ Solution provides security, scalability, and high accuracy for environments requiring strict temperature and humidity monitoring. With the RHT Air+ and AirGate Air+ devices, your company can ensure regulatory compliance, operational continuity, and full environmental control—even in the most challenging conditions.

For more information on the new [Novus Climate Air+ System](#), or to find the ideal solution for your application-specific needs, contact a CAS Data Logger Applications Specialist at **(800) 956-4437** or visit our website at www.DataLoggerInc.com.