LogBox Wi-Fi

Multi Channel Data Logger

- ✓ **Wi-Fi connectivity**
- ✓ **IoT compliant**
- ✓ **Uses existing Wi-Fi infrastructure**
- ✓ **Ready to integration with SCADA or Cloud**
- ✓ **Ininterrupted data logging**
- ✓ **Configuration by USB or Wi-Fi**

Environmental or climatic telemetry for facilities is becoming more demanding in order to improve processes and reduce energy costs. **LogBox Wi-Fi** is suitable to meet these requirements, as it may operate as a Thing in IoT networks or to be installed in already existing IT networks as part of a supervision system.

It has MQTT protocol to publish data to IoT brokers or cloud as well as Modbus TCP protocol to operate as slave of SCADA or host of automation systems. It provides continuous data logging without lack of data, even on link or energy failure. **LogBox Wi-Fi** can be configured and managed by PC either via USB or Wi-Fi. The NXperience is the free **NOVUS** software for configuration and data downloading.

Data management by Wi-Fi

Data management and configuration by USB

LogBox Wi-Fi can be used on:

- **Distribution Centers**
- **Cold Chain**
- **Commercial Refrigeration**
- **Pharmaceutical Clean Rooms**
- **Laboratory Rooms**
- **Data Centers**
- **Hospitals**
- **Airports**

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We Measure, We Control, We Record

Examples of Applications

Hospitals

For health segment facilities, the feature of easy installation is a must. Expanding or improvements in such facilities requires quick deployment to avoid interfering with daily activities.

Airports

There are many types of applications in airport activities, such airport lounge comfort, rooms for refrigerated cargo and other facilities.

Industrial refrigerated rooms

For industrial refrigerated rooms, multiple points can be monitored and logged, all connected to the Wi-Fi network of the facilities.

Technical Features

Input Signal	1 Digital Input 3 Analog Inputs
Type of Analog Signal	Thermocouples J, K, T, N, E, R, S, B, Pt100, 0-50 mV, 0-5 V, 0-10 V, 0-20 mA, 4-20 mA
Function of Digital Input	Pulse Counter, Events Recorder or Starts Logger
Digital Output	1 PNP Output (Electronic Switch or Alarm)
Internal Sensors	Battery Voltage and External Power Supply
Display	3 lines with 4½ digits
Resolution	15 bits
Memory Capability	140,000 records
Record Interval	1 s to 18 h
Variable Record	Instantaneous or average

Acquisition Trigger	Date/Hour, Start button, Digital Input or by Software
Alarms	8 Alarms (two per channel) Low and High
Internal Buzzer	Yes
Communication Interface	Wi-Fi 802.11 b/g/n USB
Configuration Software	NXperience for Windows
Communication with SCADA or Cloud system	MQTT and Modbus TCP protocols
Power Supply	10-30 Vcc
Backup Battery	4 AA alkaline piles Typical autonomy 2 years (without Wi-Fi)
Operation Temperature	W/ power supply: -20 to 70 °C (-4 to 158 °F) W/ batteries: -10 to 50 °C (14 to 122 °F)
Protection Rate	IP40
Dimensions	120 x 100 x 40 mm (4.72" x 3.94" x 1.57")