

LogBox Wi-Fi

Multi Channel Data Logger

LogBox
CONNECT

- ✓ 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

NOVUS
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 as 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	Acquisition Trigger	Date/Hour, Start button, Digital Input or by Software
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	Alarms	8 Alarms (two per channel) Low and High
Function of Digital Input	Pulse Counter, Events Recorder or Starts Logger	Internal Buzzer	Yes
Digital Output	1 PNP Output (Electronic Switch or Alarm)	Communication Interface	Wi-Fi 802.11 b/g/n USB
Internal Sensors	Battery Voltage and External Power Supply	Configuration Software	NXperience for Windows
Display	3 lines with 4½ digits	Communication with SCADA or Cloud system	MQTT and Modbus TCP protocols
Resolution	15 bits	Power Supply	10-30 Vcc
Memory Capability	140,000 records	Backup Battery	4 AA alkaline piles Typical autonomy 2 years (without Wi-Fi)
Record Interval	1 s to 18 h	Operation Temperature	W/ power supply: -20 to 70 °C (-4 to 158 °F) W/ batteries: -10 to 50 °C (14 to 122 °F)
Variable Record	Instantaneous or average	Protection Rate	IP40
		Dimensions	120 x 100 x 40 mm (4.72" x 3.94" x 1.57")

