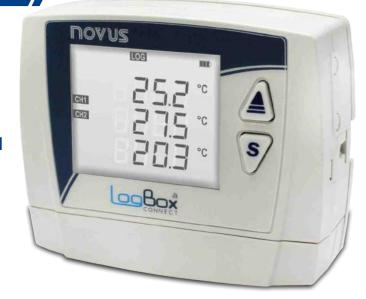# LogBox Wi-Fi
Multi Channel Data Logger

✓ **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

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	**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")

NOVUS
We Measure, We Control, We Record