

Monitex LoRa Based Controllers and Gateways

What Is LoRa?

LoRa is a long-range wireless communication technology that complements NB-IoT and LTE Cat M1. Compared to the traditional cellular techniques it can achieve extremely long ranges (100km+ LOS) at the cost of data rate. Because of this limitation (< 50kbps) and the constraints on duty cycle LoRa is most suitable for non high speed applications, where delays inbetween data packets can be tolerated.

MoniTex LoRa Based Controller Features

- Uses license-free sub-gigahertz radio frequency bands like 433 MHz, 868 MHz (ICASSA Type Certified).
- It enables long-rangetransmissions (10km+ in rural and up to 2km in urban), while keeping power consumption extremely low.
- +25 Km distances are achievable with specilized add on's (upon request)
- With the integration into Monitex customized controllers and Gateways a flexible solution to many IoT and Industrial applications is achievable

Application

- Machine to Machine
- Urban Logistical
- Remote I/O
- Remote Analog
- Most IoT needs
- Smart Buildings
- Smart Metering
- Smart Agriculture etc



Long Range
Low Voltage Wireless