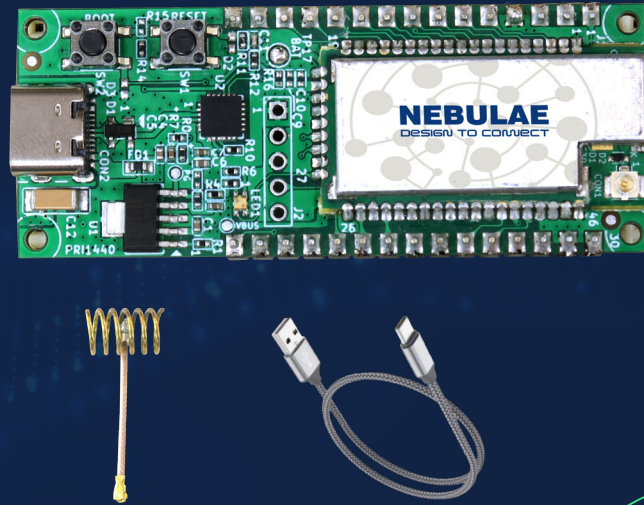


# NLN0651-i

Bring your IoT  
Proofs-of-Concept  
to life with our  
LoRa-based Arduino  
compliant EVK kit



**A**rduino EVK or Evaluation Kit featuring LoRa<sup>®</sup> technology is designed to facilitate beginners, developers, and students to learn LoRa and IoT technology quickly. It helps users, turn their idea or Proofs-of-Concept into practical applications and make the IoT a reality. It is easy to program, create and connect your things everywhere.

Best suited for LoRa IoT Sensor Node Solutions for smart cities and other LoRaWAN applications, the board is ideal in cases with low cost and low power consumption requirements.

*NLN0651-I is an  
NLN500a (STM32WL)  
SOC-based, compact size  
LoRa-based Node Board  
with an Arduino  
nano-compatible design  
that supports Arduino IDE  
Programming to ensure  
an easy and open-source  
software development.*

## Features

- Size: 63mm X 25mm
- Communication range: Up to 10km (LoS) and several km in urban environments
- Frequency Bands: EU863-870, US902-928, and IN865
- Compatibility: Arduino Nano pinout & supports 30-Pin header
- Dual option for power input, via power pin or USB cable
- Includes basic examples & library support for Arduino & STM

- Allows rapid LoRaWAN end-node application POC
- Inbuilt programmer using Arduino IDE over USB
- LED indication for Lora communication and power detection
- Receiver Sensitivity: -122dBm@125K/SF7 and -136dBm@125K/SF12
- Output Power Level up to 21dBm
- U.FL Antenna Connector

## Applications



Smart  
Metering



Smart  
Agriculture



M2M &  
IoT



Logistics  
Tracking



Industrial  
Automation



Home  
Automation



Wireless  
Sensors



Remote  
Control



Advanced  
Healthcare

## Packaging Details



1 X Braided USB  
Type-C Cable



1 X Helical Antenna



1 X NLN0655-I LoRa  
Arduino EVK Kit