

# gmx | LR1 CA/SMA

## GMX LR1 CA and SMA

LoRaWAN module based on the Murata CMWX1ZZABZ module. There are two variations, one with a uFL connector and one with on board chip antenna. It comes preloaded with an AT Command LoRaWAN stack, accessible via the serial port. But you can also leverage the CMWX1ZZABZ STM32L0 MCU and load alongside the LoRaWAN stack your own application delivering a complete LoRaWAN

node without any external microprocessor.

Both the AT Command application and standalone LoRaWAN application framework are available as source code on GitHub. Our code is based on the official LoRaWAN stack from Semtech which is also available on GitHub and we will continuously update our implementation as new releases from Semtech are available.

## Technical Specs

Radio Module	Murata CMWX1ZZABZ
Microprocessor	STMicro STM32L0 series ARM Cortex-M0+
Flash/Ram	192Kb / 16Kb
Lora Transceiver	Semtech SX1276
Antenna Connector	uFl or Chip Antenna
Operating Voltage	3.3V
Length	30mm
Width	27mm
Available Versions	GMX-LR1-SMA - GMX-LR1-CA

For full specifications and code examples visit:  
[www.gimasi.ch](http://www.gimasi.ch)

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