

## Stormy

The Stormy Module is an IoT module with onboard PCB antenna and uFL connector based on the ST Microelectronics **BLUENRG-LP**, a very low power Bluetooth Low Energy (BLE) single-mode System-On-Chip. Built on an Arm® Cortex®-M0+ core architecture, BLUENRG-LP can run the user application code.

Stormy module offers excellent RF performance and the integrated high efficiency DC-DC converter keeps the ultra-low power characteristics and improves the sleep mode current consumption allowing a further increase in the battery lifetime of the applications.



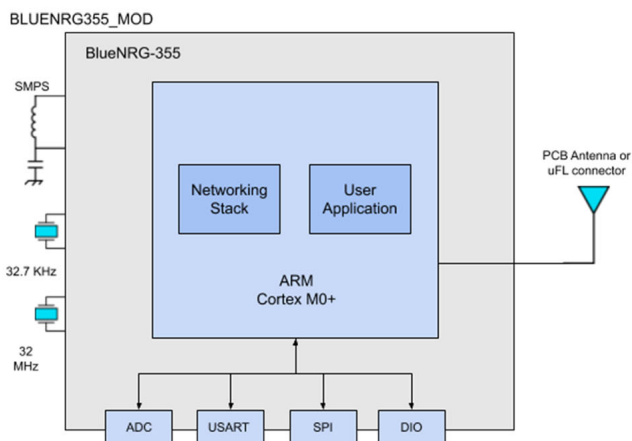
## MAIN FEATURES

1. Based on STM BLUENRG-355MC
2. Bluetooth 5.2
3. Based on Arm® Cortex® M0+
4. Programmable 256 kB Flash
5. Battery voltage and temperature sensors
6. uFL connector for external antenna

## SPECIFICATION

<b>Supply Voltage</b>	<b>1.7V to 3.6V</b>
<b>Output Power</b>	<b>up to +8 dBm</b>
<b>Working Temperature</b>	<b>-40°C to 105°C</b>
<b>Sensitivity</b>	<b>-97 dBm</b>
<b>Consumption</b>	
<b>Average Current</b>	<b>3.4 to 4.3 mA</b>
<b>Dynamic Current</b>	<b>18 µA/MHz</b>

## BLOCK DIAGRAM



For more information please visit  
<http://midatronics.com/Modules/>

## QUICK SPECIFICATION

- Supply Voltage : 1.7 V to 3.6 V .1
- Interface : USART / ADC / SPI / I2C .2
- Dimensions : 16 x 28 mm .3
- Working temperature: - 40°C to + 105 °C .4
- Frequency: 2.4 GHz .5

## ORDERING INFORMATION

Part Number:	Description:
MDX-STBN3-R01-P	Stormy Module - PCB Antenna
MDX-STBN3-R01-U	Stormy Module - uFL Connector

