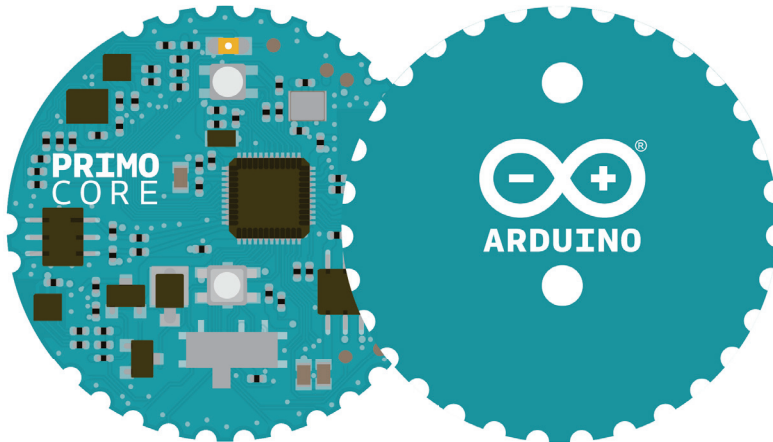




Arduino **PRIMO CORE**

PRIMO CORE is a low-power coin-sized version of the PRIMO, ideal for wearables.

The PRIMO CORE is a compact device, using a Nordic nrf52832 chip with Bluetooth smart (BLE 4.0) and NFC-A tag functions , and also integrated motion and environmental sensors. The low power consumption permits powering the Primo Core with a coin cell battery. The Arduino PRIMO CORE can be mounted on a breakout board to extend its functionalities.

INTERMEDIATE



Arduino **PRIMO CORE**

GENERAL

Operating Voltage	3V~3.3V
PCB Size	32 x 32mm
Bluetooth Smart (BLE 4.0)	TX power up to +4dBm-96dBm sensitivity in BLE mode
Product Code	A000138

SENSORS&ACTUATORS

Humidity sensor	ST HTS221
Temperature sensor	ST HTS221
3-axis Accelerometer	ST LSM6DS3

NFC-A LISTEN MODE OPERATION

13.56 MHz input frequency
Bit rate 106 kbps
Wake-on-field low power field detection (SENSE) mode

PRIMO NFC ANTENNA (optional)

PCB Size	32 x 32mm
----------	-----------

Arduino PRIMO CORE

Accelerometer -

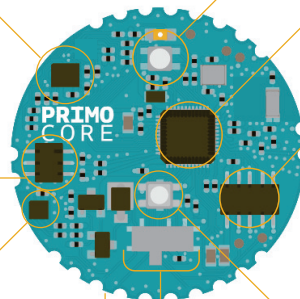
Multifunction 3D digital accelerometer and a 3D digital gyroscope.

NFC Connector -

You can connect the external NFC Antenna through this connector.

Sensor - Temperature and Humidity sensor.

Battery Connector - The connector on the back of your board is used for powering it through a coin Battery.



RGB LED - RGB Light Emitting Diodes (LEDs). Diode that illuminates when electricity passes through it.

nRF52 - The main board microcontroller, managing the BLE and the NFC.

SWD Connector - You can use it to program and debug the board with an Arduino PRIMO or another external programmer.

Reset Button - Resets the nRF52 microcontroller.

Power Switch - Used for powering your Arduino board.