

PRODUCT PREVIEW: NEXTION IN AN ARDUINO PROJECT (2)

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Posted on April 13, 2015 by Sherry & filed under Products Preview (<https://www.itead.cc/blog/product-preview>) , Tutorial (<https://www.itead.cc/blog/tutorial>) .

In previous blog, we've given a simple example of Nextion. In this blog, we will show you how to apply Nextion in an Arduino project.

Hardware we use

- Nextion 2.4"
- Iteaduino UNO
- Rotary Potentiometer Brick

Click here (<http://wiki.iteadstudio.com/File:Progressbar.zip>) to download the HMI file.

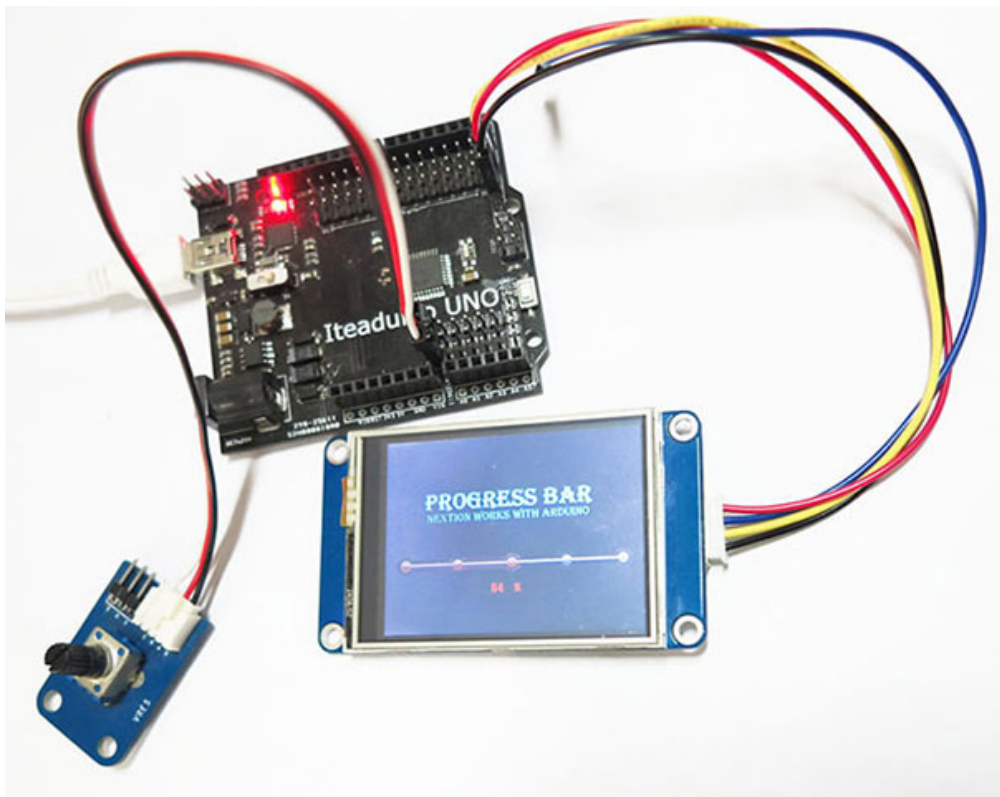
Demonstration Video



Nextion TFT LCD Touch Screen Display For Arduino Project: Progr...



Hardware Connection



Code we upload to Iteaduno UNO



```

float getValue;
int value;
float oldvalue;

void setup() {
  Serial.begin(9600);
}

void loop() {
  getValue = analogRead(A0);
  if (getValue==oldvalue)
  {;}
  else
  { oldvalue=getValue;
    getValue=(getValue*100/1023);
    value=getValue;

    Serial.print("j0.val=");
    Serial.print(value);
    Serial.write(0xff);
    Serial.write(0xff);
    Serial.write(0xff);
    Serial.print("t0.txt=");
    Serial.write(0x22);
    Serial.print(value);
    Serial.write(0x22);
    Serial.write(0xff);
    Serial.write(0xff);
    Serial.write(0xff);
  }
  delay(100);
}

```

If use the Arduino library we offer, it will be much concise and easy to read.



```
#include nextion.h //view more about the arduino_nextion_library here:https://github.com/itead/ITEADLIB_Arduino_Nextion
float getValue;
int value;
float oldvalue;
Nextion bar(j0);
Nextion percent(t0);

void setup() {
  Serial.begin(9600);
}

void loop() {
  getValue = analogRead(A0);
  if (getValue==oldvalue)
  {;}
  else
  { oldvalue=getValue;
    getValue=(getValue*100/1023);
    value=getValue;

    bar.val(value);
    percent.txt(value);

  }
  delay(100);
}
```

Step by step image tutorial of how to build the Nextion project for this demo [HERE](http://wiki.iteadstudio.com/Nextion_HMI_Solution#Progress_Bar)
(http://wiki.iteadstudio.com/Nextion_HMI_Solution#Progress_Bar).