

SEED-104060029



Features

- 7.0" TFT RTP(Resistance touch panel) with 800*480 resolution
- 108MHz MCU, 32MB Flash, 8192Bytes RAM, 1024Bytes EEPROM, 1024Bytes Instruction Buffer
- [Nextion editor software](#) to create GUI and control the external devices.

Description

Nextion Enhanced NX8048K070 is a powerful 7.0" HMI (Human Machine Interface) TFT display. With 32MB Flash data storage space, 1024 bytes EEPROM, and 8192 bytes RAM, a large amount of codes and data can be processed. With GPIO supported, now customers can use Nextion to control external devices.

Nextion is a seamless Human Machine Interface (HMI) solution that provides a control and visualization interface between a human and a process, machine, application or appliance. Nextion is mainly applied to the Internet of Things

(IoT) or consumer electronics field. It is the best solution to replace the traditional LCD and LED Nixie tube.

Nextion includes a hardware part (a series of TFT boards) and a software part ([the Nextion editor](#)). The Nextion TFT board uses only one serial port to communicate. It lets users avoid the hassle of wiring. We noticed that most engineers spend much time in application development but get unsatisfactory results. As a solution to this situation, Nextion editor has mass components such as button, text, progress bar, slider, instrument panel, etc. to enrich the interface design. Furthermore, the drag-and-drop function ensures that users spend less time in programming, which will reduce 99% of their development workloads. With the help of this WYSIWYG editor, designing a GUI is a piece of cake. It's easy to adapt Nextion family HMI to existing projects- users just need to provide it a UART. To use the software, you need to program according to [the Nextion instruction set](#). [Nextion editor guide](#) can help you set up the [Nextion editor software](#).

Caution:

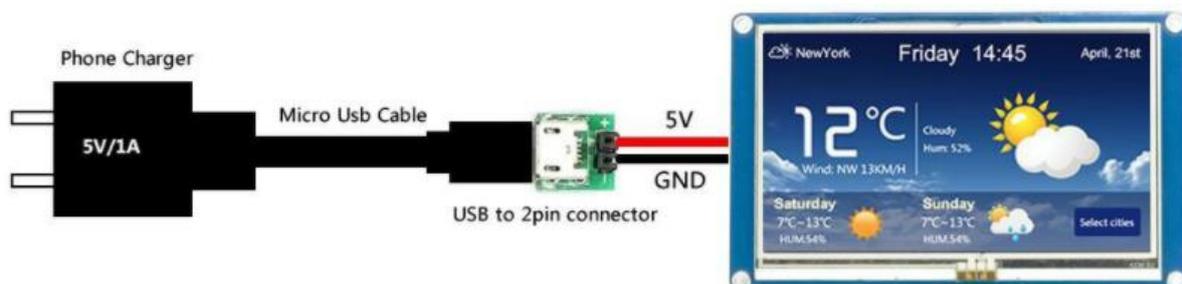


Working under insufficient power supply condition will damage the Nextion model easily.

Blurred screen? Flashing? You may be suffering from power shortages. Power off at the first possible moment. No more repeated attempts to damage your Nextion model.

A small connector is included in the package. Please try to power Nextion with your phone charger through the connector to check if Nextion works well.

A high quality usb cable is required.



Nextion User Manual: <http://goo.gl/LbvAJ5>

Specification

- Supports built-in RTC
- Supports GPIO
- SD Card interface: support max 32G Micro TF/SD card (FAT32 file format)
- Flash data storage space: 32MB
- EEPROM: 1024 bytes
- RAM: 8192 bytes
- Instruction buffer: 1024 bytes
- Color: 65K (65536) colors
- Resolution: 800×480 pixel
- Adjustable Brightness: 0~230 nit- the interval of adjustment is 1%
- Visual Area: 154.08mm(L)×85.92mm(W)
- Layout size: 181(L)×108(W)×9.3(H)
- Touch-type: Resistive
- Backlight: LED
- Backlight lifetime (Average): >30,000 Hours
- Net Weight: 268 g
- Recommended power supply: 5V 2A
- Certificates: CE/EMC, RoHS ([certificates](#))