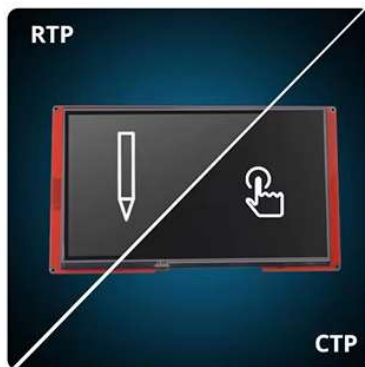


Display de toque LCD NEXTION 7.0 NX8048P070-011C-Y





Powerful 200MHz MCU Onboard

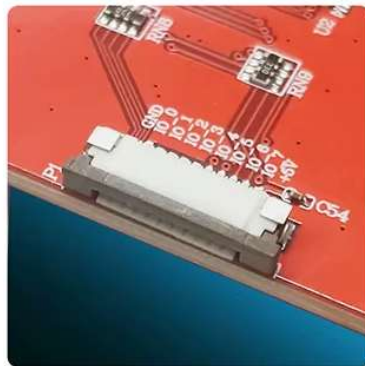
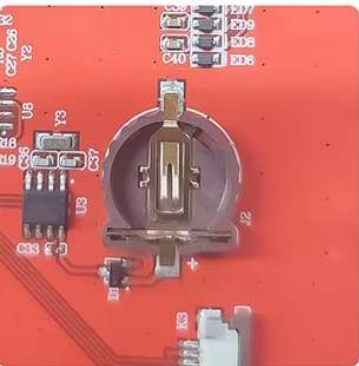
To handle advanced HMI feature flawlessly, like video and audio play, animation, page loading effect, etc.

Audio Play Capability

User interaction with audio clip notification or play a rhythm for a specific purpose that enriches the HMI experience

Two Touch Panel Type Options

Resistive or Capacitive is available for all intelligent Series models, choose one that fits your application need.



Real Time Clock (RTC) Built-in

Keep the time and date while the primary source of power is off or unavailable

1024 Byte EEPROM

Store value/string to EEPROM, read value from EEPROM, or store/read specified number of bytes to EEPROM over Serial from MCU

8 Digital Extended GPIO

IO0-IO7 support input, output and component binding event, IO6-IO7 support PWM

Nextion Editor Overview

Nextion Editor Overview

Nextion Editor is a free human-machine interface (HMI) GUI development software for Nextion Basic Series, Discovery Series, Enhanced Series, and Intelligent Series. The software offers an easy way to create an intuitive and superb touch user interface even for beginners. Add a static picture as a background, define functions by components, you can make a simple GUI in minutes. The easy Drag-and-Drop components and simple ASCII text-based instructions will dramatically reduce your HMI project development workloads and develop projects rapidly in a cost-effective way. The Nextion product is the best balance HMI solution between cost and benefit with a low and decreased learning curve.





Ideal to Build the HMI Project Rapidly

NX8048P070-011C-Y | Nextion 7.0" Intelligent Series HMI Touch Display

CE EMC RoHS



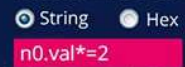
5 Years LTA

Long Term Availability



WYSIWYG Nextion Editor

Instruction Input Area:



ASCII text-based instructions

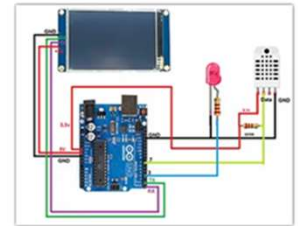


TTL UART Serial

Nextion Applications

Works with Arduino

Nextion	Wiring to
GND	GND
RX	Arduino pin 1 (TX)
TX	Arduino pin 0 (RX)
VCC	5V



MMDVM with Raspberry Pi

Connect the Nextion display to your Raspberry Pi or MMDVM modem board

Put (upload) a MMDVM-Nextion project (.tft file) to the Nextion display



IoT Smart Device

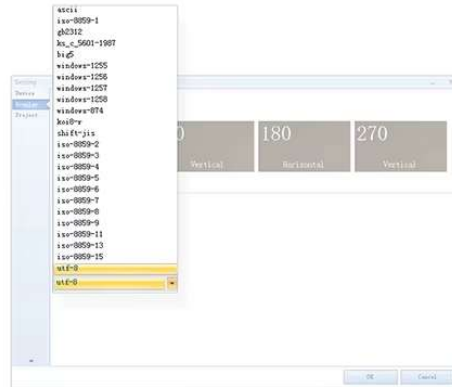
As a HMI interface to control all of your smart home IoT devices.



Nextion Editor Features

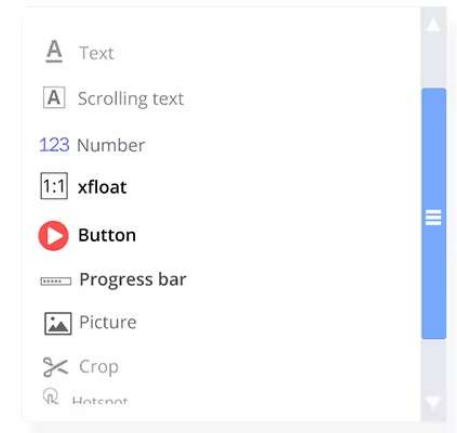
Versatile Character Encoding

With several character encoding, you are able to create the HMI project in your language characters and strings.



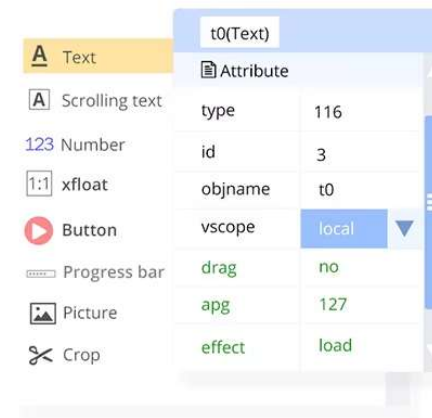
25+ Amazing WYSIWYG Components

Easy-to-use components to customized GUI at screen side allow you to develop projects rapidly in a cost-effective way



Fonts and Text Styling

The font creator allows you to generate the specific fonts applied in each component value or text attribute. e.g. Generate the font of "Arial" with Height "24" and Encoding "UTF-8"



Component Attribute Setting

The component attribute setting gives you the options to design all the aspects of the component that you need.

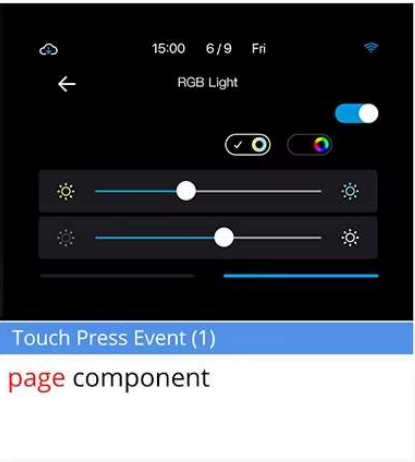
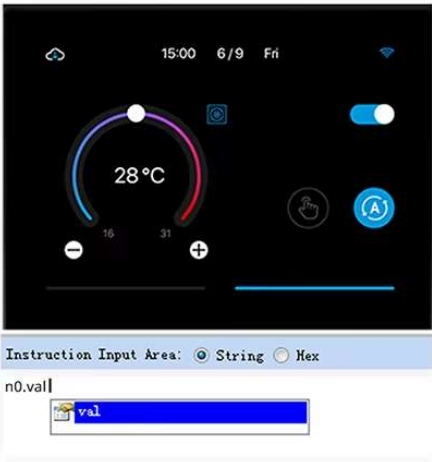
Free Simulator Debug

Debug the HMI project at any time even without the Nextion Display. The instruction input area allows you to send any Nextion commands to check the feedback and interactions.



Text-based Instruction Set

Simple ASCII text based instructions will dramatically reduce your HMI project development workloads



Nextion Operational Commands

The operational commands allow users to program the HMI interactions by coding in Events windows



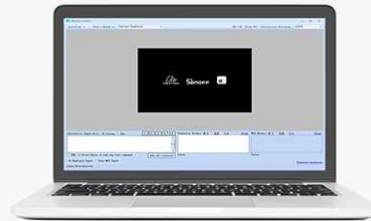
Support Simple Assignment Operators

To handle the calculation and assignment for the text and Numeric data, the simple assignment operators help.

Create A Simple Test



- 1 Develop the HMI project via Nextion Editor



- 2 Debug Simulation



- 3 Upload the HMI project via SD Card / TTL serial



- 4 Power-On

In The Box



NX8048P070-011C-Y HMI DISPLAY
WITH ENCLOSURE*1



XH2.54 4P Wire*1



Power Supply Test Board*1

Specification

Model Name	NX8048P070-011C-Y
Display Size	7.0"
Resolution	800*480
Touch Panel	RTP/CTP
MCU	200 MHz
Flash	128 MB
SRAM	512KB
EEPROM	1024 Byte
GPIOs	8
RTC	Yes

