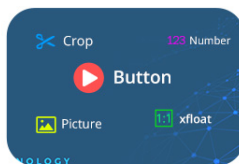


Ideal to Build the HMI Project Rapidly

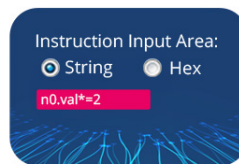
NX4848E021-011C | Nextion 2.1" Edge Series HMI Touch Display



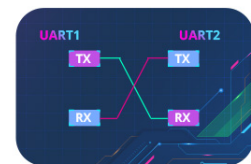
Long Term Availability



WYSIWYG Nextion Editor



ASCII text-based instructions



TTL UART Serial

Nextion 2.1" Edge Series HMI Touch Display

Nextion is a Human Machine Interface (HMI) solution combining an onboard processor and memory touch display with Nextion Editor software for HMI GUI project development.



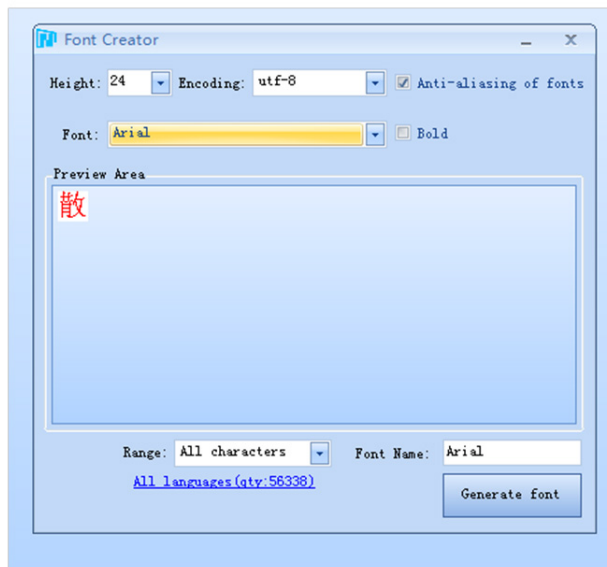
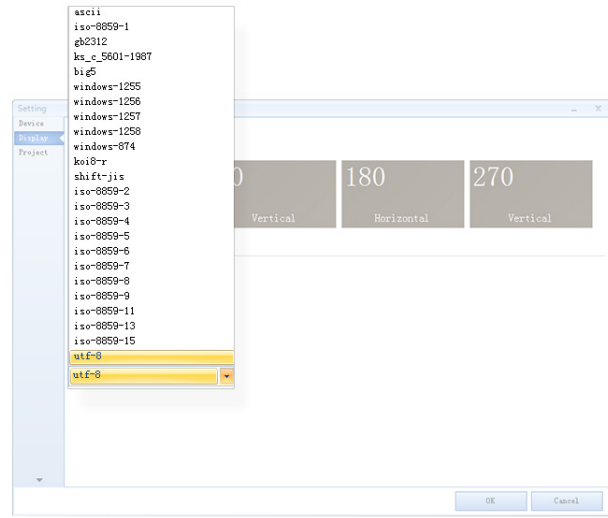
NX4848E021-011C Hardware Feature:

- 2.1" LCD-TFT Capacitive HMI touch display module
- 480 x 480 screen resolution
- RGB 65K true-to-life colours
- Onboard 200MHz MCU
- 512 KB SRAM
- 128 MB Flash memory
- 1.25mm Pitch 4 Pins(+5V, TX, RX, GND) TTL serial interface
- Built-in 1024 Byte EEPROM, RTC and 8 GPIOs

Nextion Editor Features

Versatile Character Encoding

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

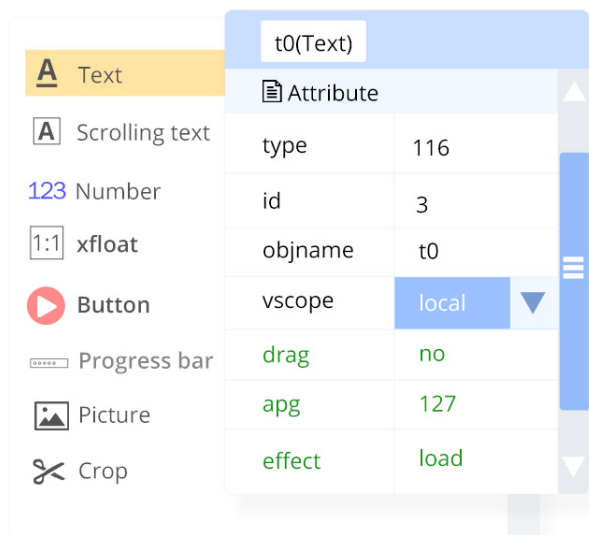
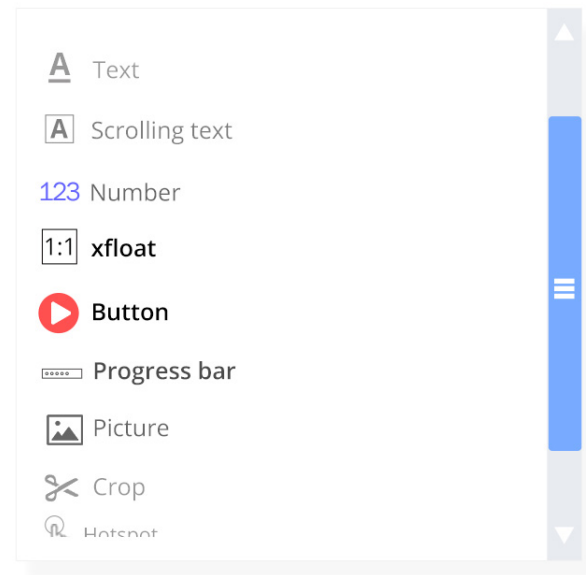


Fonts and Text Styling

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"

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

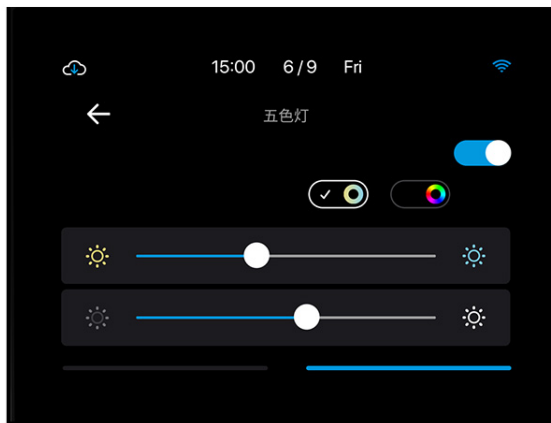
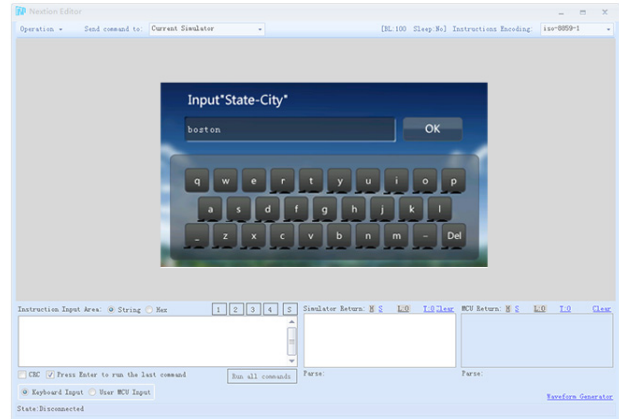


Component Attribute Setting

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.



Touch Press Event (1)

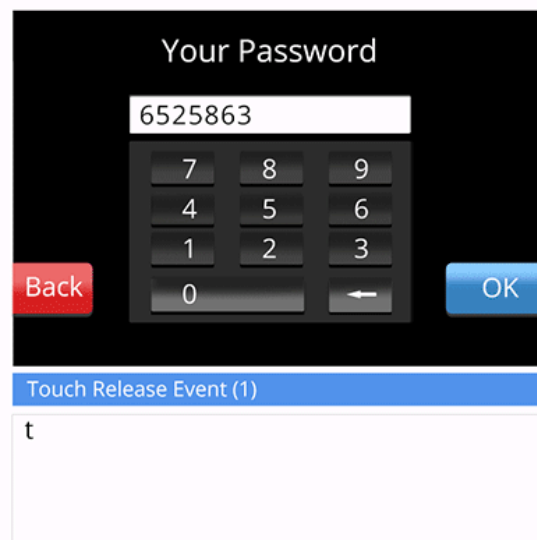
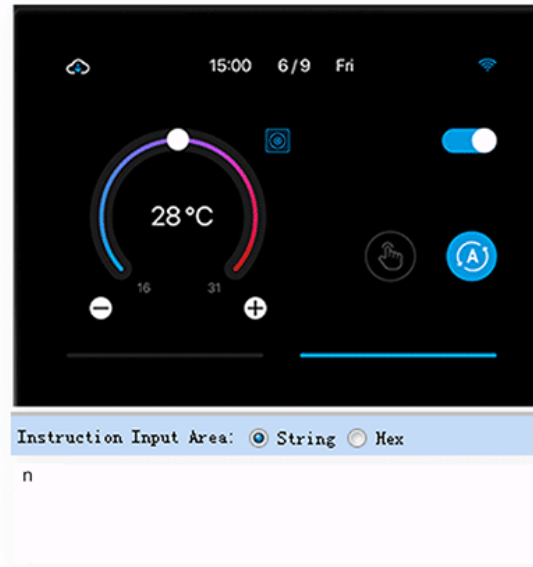
page component

Nextion Operational Commands

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

Text-based Instruction Set

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



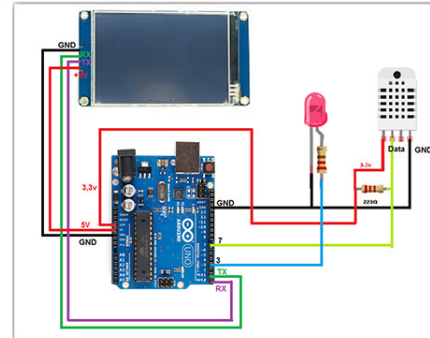
Support Simple Assignment Operators

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

Nextion Applications

Works with Arduino

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





Round Gauge

Real-time gauges & metrics rendered on round HMI.



Round Knob

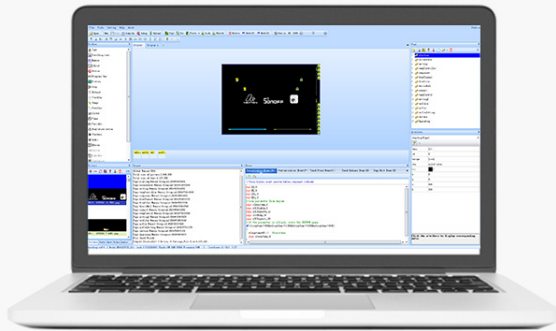
The display with knob is very suitable for applications or products required a control knob which can show information on it.



Personalized Clock

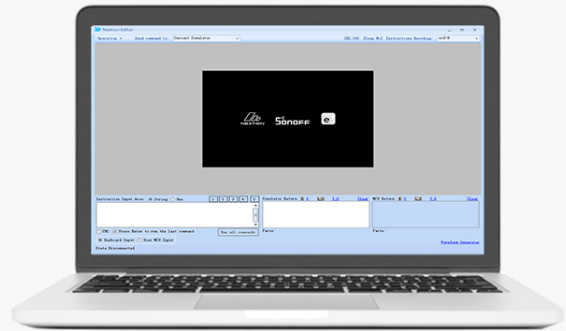
On this frameless screen, you can create your unique clock by applying different clock themes and switching between them via touch.

Create A Simple Test



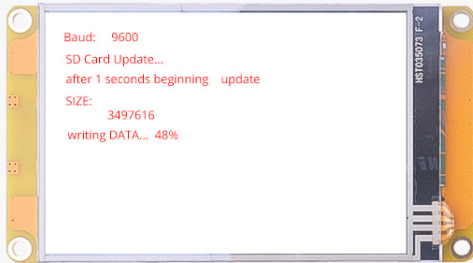
1

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



Nextion HMI Display*1



4Pin Wire*1



Power Supply Test Board*1

Specification

Model Name	NX4848E021-011C
Display Size	2.1"
Resolution	480*480
Touch Panel	CTP
MCU	200 MHz
Flash	128 MB
SRAM	512 KB
EEPROM	1024 Byte
GPIOs	8
RTC	Yes

[More Information](#)

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