Electronics Hub NX4024T032 3.2 inch Nextion TFT HMI LCD Touchscreen User Guide

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ELECTRONICS

Hub NX4024T032 3.2 inch Nextion TFT HMI LCD Touchscreen User Guide

NX4024T032

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Overview

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 IoT or consumer electronics field. It is the best solution to replace the traditional LCD and LED Nixie tubes. With the Nextion Editor software (**https://www.adrive.com/public/JEVwGg/Nextion%20Editor.rar**), users are able to create and design their own interfaces for Nextion display.
The package includes Nextion Display, connecting wire, a power supply test board.
Note: the small power supply test board and connecting wire inside the package allow you to test if the electrical supply is enough or not. See the image below on how to use it.

⚠ **Caution:**
Working under insufficient power supply conditions 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.
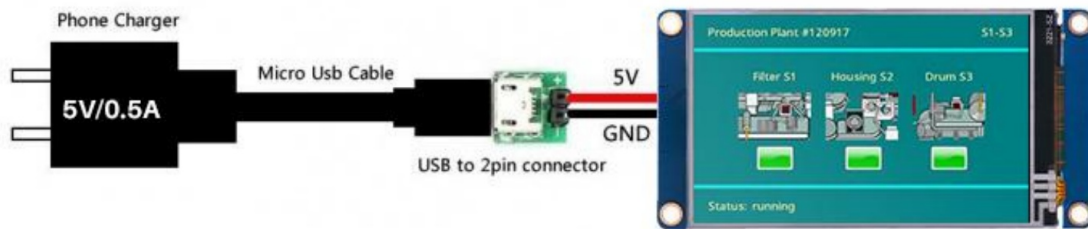
Nextion Models

Nextion Type	Basic Series
	NX4024T032_011N (N: No touch)
Nextion Models	NX4024T032_011R (R: Resistive touchscreen)

Nextion-3.2"
High-performance hardware

Specifications

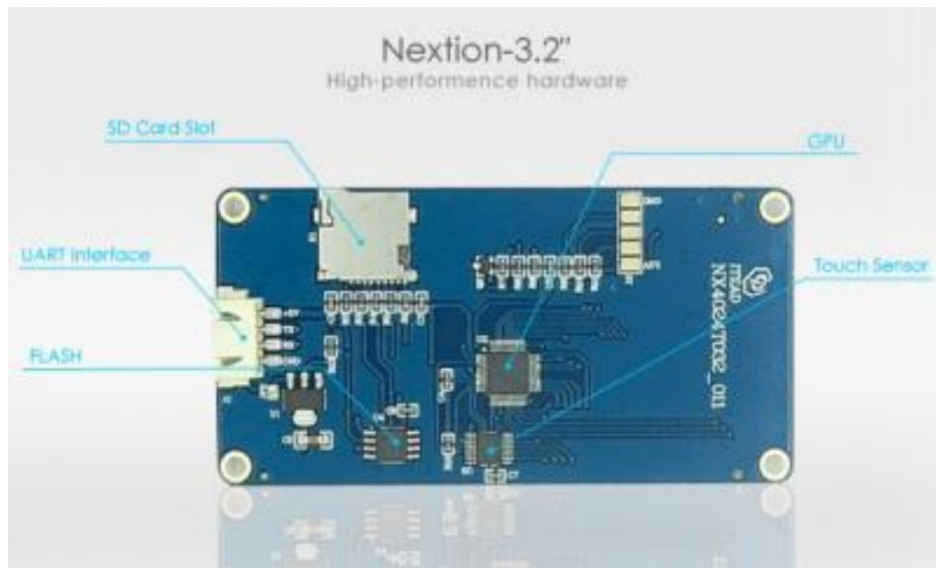|	Data	Description
Color	64K 65536 colors	16 bit 565, 5R-6G-5B
Layout size	95(L)×47.6(W)×4.6(H)	NX4024T032_011N
	95(L)×47.6(W)×5.8(H)	NX4024T032_011R
Active Area (A.A.)	80.90mm(L)×47.60mm(W)	
Visual Area (V.A.)	69.60mm(L)×41.76mm(W)	
Resolution	400×240 pixel	Also can be set as 240×400
Touch-type	Resistive	
Touches	> 1 million	
Backlight	LED	
Backlight lifetime (Average)	>30,000 Hours	
	200nit (NX4024T032_011N)	0% to 100%, the interval of adjustment is 1%
Brightness	180 nit (NX4024T032_011R)	0% to 100%, the interval of adjustment is 1%
	35.5g (NX4024T032_011N)	
	42.5g (NX3224T024_011R)	
Weight		

Electronic Characteristics

	Test Conditions	Min	Typical	Max	Unit
Operating Voltage		4.75	5	7	V
	VCC=+5V, Brightness is 100%	–	85	–	mA
Operating Current	SLEEP Mode	–	15	–	mA

Power supply recommend **5V, 500mA, DC**

Working Environment & Reliability Parameter

	Test Conditions	Min	Typical	Max	Unit
Working Temperature	5V, Humidity 60%	-20	25	70	°C
Storage Temperature		-30	25	85	°C
Working Humidity	25°C	10%	60%	90%	RH

Interfaces Performance

	Test Conditions	Min	Typical	Max	Unit
Serial Port Baudrate	Standard	2400	9600	115200	bps
Output High Voltage	IOH=-1mA	3.0	3.2		V
Output Low Voltage	IOL=1mA		0.1	0.2	V
Input High Voltage		2.0	3.3	5.0	V
Input Low Voltage		-0.7	0.0	1.3	V
Serial Port Mode	TTL				
Serial Port	4Pin_2.54mm				
USB interface	NO				
SD card socket	Yes (FAT32 format), support maximum 32G Micro SD Card * microSD card socket is exclusively used to upgrade Nextion firmware /HMI design				

Memory Features

Memory Type	Test Conditions	Min	Typical	Max	Unit
FLASH Memory	Store fonts and images			4	MB
RAM Memory	Store variables			3584	BYTE

95.00 (OUTSIZE)
88.60
80.90 (LCD)
69.60 (LCD A.A)

TFT 3.2"
240XRGBX400
262K COLOR
12:00 O'CLOCK

47.6 (OUTSIZE)
41.76 (LCD A.A)
41.2

8.38
7.05
2.92
7.05

LCD1.20
TP1.20
2.70
6.00
PCB1.60
ALL5.55

16.31
15.12
7.80
13.10
14.00
17.44

R1.60

Documents / Resources

NX4024T032

Electronics Hub NX4024T032 3.2 inch Nextion TFT HMI LCD Touchscreen [pdf] User Guide
NX4024T032, 3.2 inch Nextion TFT HMI LCD Touchscreen

Related Manuals / Resources

NEXTION NX4832T035 3.5 Inch HMI TFT LCD Touch Display Module User Manual

NX4832T035 Overview Nextion is a Seamless Human Machine Interface (HMI) solution that provides a control and visualization interface…

UA-HUB HUB QSG User Manual

SmartThings Hub UA-HUB HUB QSG Setup Connect the SmartThings Hub to the wall power using the supplied power…

UBIQUITI UA-Hub UniFi Access Hub User Guide

Hub 1. 2. 3. 4. ui.com/install unifi.ui.com ©2021 Ubiquiti Inc. All rights reserved. Ubiquiti. Ubiquiti Networks. the Ubiquiti…

ICEROBOTICS I-HUB Wireless Hub Communication with sensors Instructions

Justification for professional installation clause 1) IceRobotics hardware can only be purchased directly from IceRobotics, it is not…

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Email

Website

☐ Save my name, email, and website in this browser for the next time I comment.

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