Overview

Nextion is a seamless Human Machine Interface (HMI) solution that provides a control and visualisation 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 tube. With the Nextion Editor software, users are able to create and design their own interfaces for Nextion display.

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.

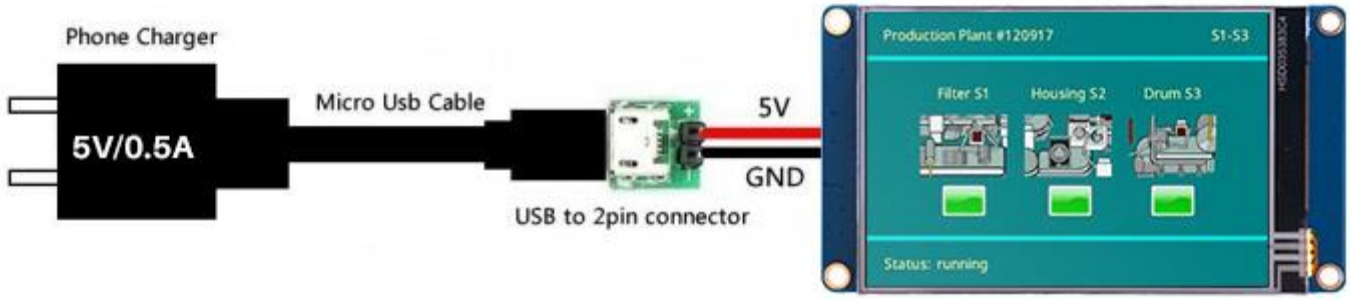
Caution:

Working under insufficient power supply 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 Models

Nextion Type	Basic Series
Nextion Models	NX4832T035_011N (N: No touch)
	NX4832T035_011R (R: Resistive touchscreen)

Specifications

	Data	Description
Color	64K 65536 colors	16 bit 565, 5R-6G-5B
Layout size	100.5 (L)×54.94 (W)×4.25 (H)	NX4832T035_011N
	100.5 (L)×54.94 (W)×5.45 (H)	NX4832T035_011R

Active Area (A.A.)	85.50mm(L)×54.94mm(W)	
Visual Area (V.A.)	73.44mm(L)×48.96mm(W)	
Resolution	480×320 pixel	Also can be set as 320×480
Touch type	Resistive	
Touches	> 1 million	
Backlight	LED	
Backlight lifetime (Average)	>30,000 Hours	
Brightness	200nit (NX4832T035_011N)	0% to 100%, the interval of adjustment is 1%
	180 nit (NX4832T035_011R)	0% to 100%, the interval of adjustment is 1%
Weight	38.2g (NX4832T035_011N)	
	48.2g (NX4832T035_011R)	

Electronic Characteristics

	Test Conditions	Min	Typical	Max	Unit
Operating Voltage		4.75	5	7	V
Operating Current	VCC=+5V, Brightness is 100%	–	145	–	mA
	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

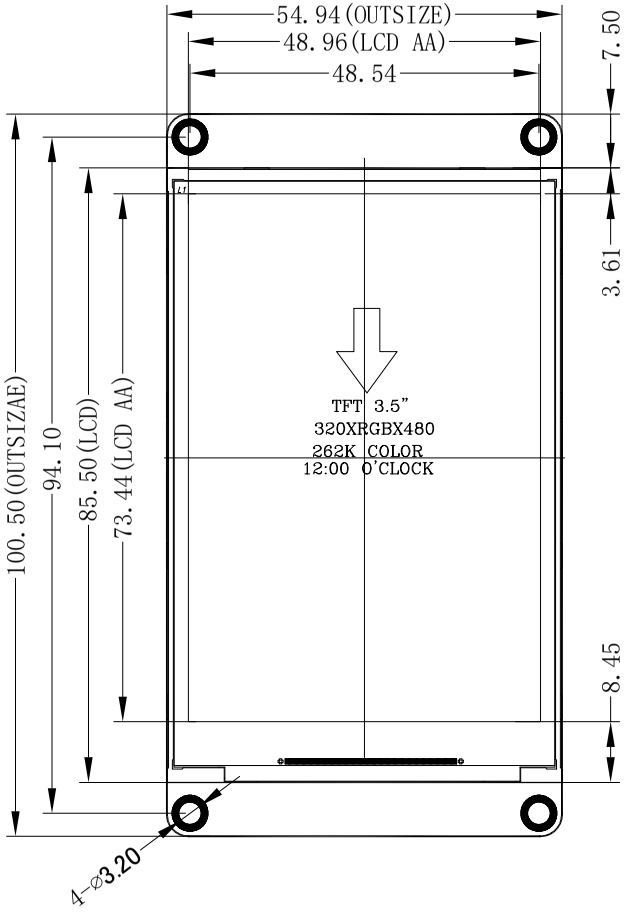
Interfaces Performance

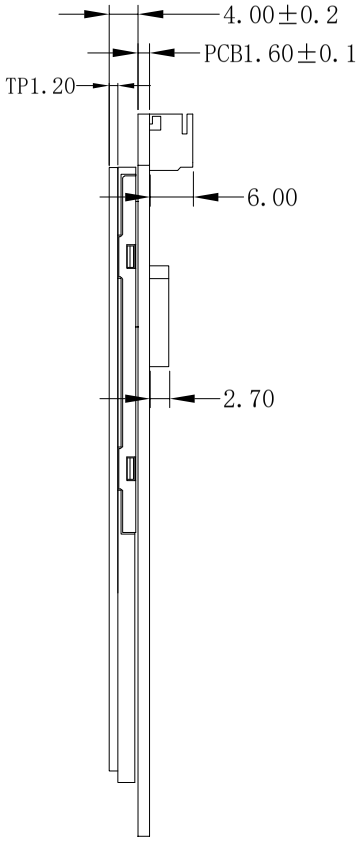
	Test Conditions	Min	Typical	Max	Unit
Serial Port Baudrate	Standard	2400	9600	115200	bps
Output High Voltage	IOH=-1mA	3.0	3.2		V
Output Low Voltage	IOL=1mA		0.1	0.2	V
Input High Voltage		2.0	3.3	5.0	V
Input Low Voltage		-0.7	0.0	1.3	V
Serial Port Mode	TTL				
Serial Port	4Pin_2.54mm				
USB interface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

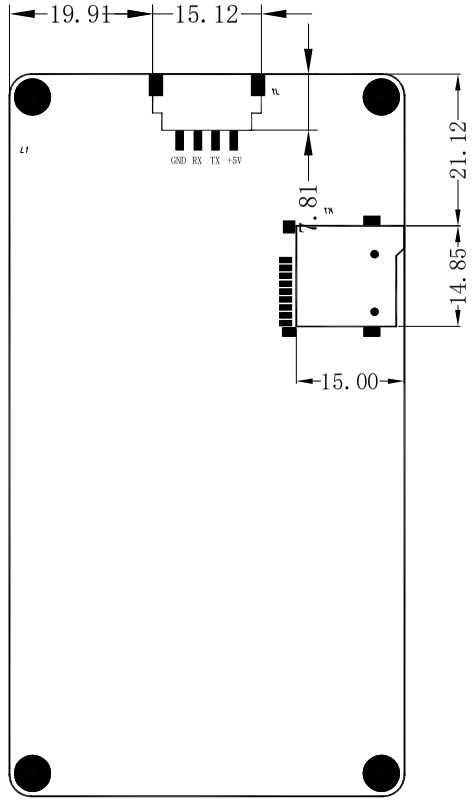
socket	SD Card * microSD card socket is exclusively used to upgrade Nextion firmware /HMI design

Memory Features

Memory Type	Test Conditions	Min	Typical	Max	Unit
FLASH Memory	Store fonts and images			16	MB
RAM Memory	Store variables			3584	BYTE







NEXTION				UNIT: mm
PRODUCT NO.	DWN			
NX4832T035	CHK			
	APP			TOLERANCES: ±0.2mm
REWVISON:2.0				