

# NX4832T035

## 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.

### 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 socket	Yes (FAT32 format), support maximum 32G Micro SD Card * microSD card socket is exclusively used to upgrade Nextion firmware / HMI design				

