



# TS050 Touchscreen Kit

**Model** TS050 Touchscreen Kit

**Overview** **1080P multi-touch display for single board computers**

Ever wanted to turn your Khadas SBC into a touch capable tablet computer but got stuck figuring out the 'touch' part? The TS050 touchscreen kit is perfect for you! The TS050 5-inch display supports 5-point multitouch, and connects to your SBC via a custom MIPI-DSI and TP cable, supporting full 1080P output at 60 FPS, with a screen density of 440ppi. Bring your mobile project to life!

**Highlights**

- High Resolution
- Multi Touch
- Capacitive Touchscreen

**Tech Specs**

**Display**

Active Screen Size	5 Inches Diagonal
Aspect Ratio	16:09
Native Resolution	1080x1920
Luminance, White	350 cd/m2(Typ.)
Color Depth	16.7 Million
Interface	MIPI-DSI, 4-lane

**Touch**

Simultaneous Touch Points	5
Touchscreen Type	Capacitive
Touch IC	FT5336
Interface	I2C

**Backlight & LCD Converter Board**

Backlight Driver IC	NT50198
Mounting Holes	M2 x4

**Weight:**

52g

**Dimensions:**

Display	68.3 * 122.45 * 2.71mm
Backlight & LCD Converter Board	40.0 * 33.0 * 3.0mm
FPC Cable Length	15.0mm

**Documents**

Touch Display Specifications: [https://dl.khadas.com/Hardware/Accessories/TS050/TS050\\_Specs.pdf](https://dl.khadas.com/Hardware/Accessories/TS050/TS050_Specs.pdf)  
Usage Guide: <https://docs.khadas.com/edge/ConnectLcd.html>  
3D CAD File: [https://dl.khadas.com/Hardware/Accessories/CAD/TS050\\_Touchscreen\\_3D\\_CAD.zip](https://dl.khadas.com/Hardware/Accessories/CAD/TS050_Touchscreen_3D_CAD.zip)  
YouTube Demo: [https://youtu.be/3cB\\_kLcjwsw](https://youtu.be/3cB_kLcjwsw)

**Compatibility**

- Khadas Captain
- Khadas Edge-V
- Khadas VIM3
- Khadas VIM3L

**In the Box**

- TS050 Multi-touch Display
- Backlight & LCD Converter Board
- FPC Cable