



ESP32 4.0 inch IPS LCD Touch Freenove Case



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Summary

This case has been designed to fit the Freenove ESP32 Display FNK0103 4.0 inch 320x480 ST7796 touch screen.

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ESP32 4.0 inch IPS LCD Touch Freenove Case

This case has been designed to fit the Freenove ESP32 Display FNK0103 4.0 inch 320x480 ST7796 touch screen.

It's very similar to the smaller CYD display (2.8inch)

It's a nice 320 x 240 TFT screen that looks good and is with resistive touch.

I decided to model a close fitting case with a rear cover that snap fits to the front case portion.

The case is a snug fit around the pcb so depending on your printer it may be necessary to allow more clearance around the pcb.

If that is the case then it is recommended to increase the scale of the front case and the rear cover in your slicer software. Or amend the files.

The rear cover has spacer legs on each corner to hold the pcb in position.
The leg height may need tuning to your printer.

Two buttons (Boot and Reset) need to be printed and allow the reset and boot keys to be operated.

A separate stand file is included to enable the case to sit tilted to 60 degrees.

Separate files are also included for the Front Case with no holes (except micro USB)

Printed at 0.20mm with no supports required on a Prusa Mini+.

STEP files are included should you need to make amendments.

Hope this helps someone.

Model files

case-bottom-plainv15.stl



case-bottom-inc-holesv15.stl



back-coverv15.stl



buttonv15.stl



display-stand.stl





buttonv15.step



display-stand.step



case-bottom-inc-holesv15.step



case-bottom-plainv15.step



back-coverv15.step

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