Printables by JOSEF PRUSA

Raspberry Pi4 case for Prusa MK3

W **WDR**

VIEW IN BROWSER

updated 26. 8. 2021 | published 4. 6. 2020

Summary

Put a Raspberry Pi4B on your Prusa Mk3S and have it align perfectly with the frame.

3.53 hrs	1 pcs	0.20 mm	0.40 mm	PET	35 g	Prusa MK3/S/S+

3D Printers > 3D Printers - Upgrades

Tags: prusai3mk3 raspberrypi raspberrypicase prusai3mk3s raspberrypi4 raspberrypi4b raspberrypi4bcase raspberrypi4case

Put a Raspberry Pi4B on your Prusa Mk3S and have it align perfectly with the frame.

- Smallest form factor possible for a Pi4.
- Space for an optional Pimoroni Fan Shim.
- All peripheral ports accessible (not the Pi headers).
- Break away window for Pi-cam - version without added.
- Windows for status lights.
- Slim attachment block to frame.

- Uses styling cues from the Einsy Case with chamfered corners and textured sides
- Easy to print: no supports needed.

Edit: added a new version of the top part (picase-top-compact.stl) which is more compact to allow this to fit with https://www.prusaprinters.org/prints/3267-led-light-bar-prusa-i3-mk2mk3

Uses:

- 4 M3x16 for the case
- 2 M3x10 for attaching to printer

A complete redesign inspired by the Prusa Einsy Case and:

- https://www.thingiverse.com/thing:3723561
- https://www.thingiverse.com/thing:3004038

Print instructions

0.2mm
20% infill
PETG
No supports

4 M3x16 for the case
2 M3x10 for attaching to printer

1. Widen the holes on your Raspberry Pi (and fanshim) just a bit for the M3 screws.
2. Pierce the sacrificial bridges inside the screwholes on the top shell.
3. Put Pi in top shell and place bottom shell on top.
4. Screw in 4 M3x16.
5. Align on the back of your Prusa MK3 and screw in 2 M3x10.
6. Plug in

Model files

picase.3mf

picase-top.stl

picase-bottom.stl

picase-top-nopicam.stl

picase-top-compact.stl

Print files

picase_02mm_petg_mk3s_3h32m.gcode

PET 0.40 mm 0.20 mm 3.53 hrs 35 g Prusa MK3/S/S+

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