



Coralboard Desktop Case with Modular Covers



rh45

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Summary

A ventilated Coralboard desktop enclosure with captive buttons, two-colour labels and interchangeable covers.

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A compact desktop enclosure designed around the Coralboard reference model.

The case has a removable top, a flush-bottom tray, front GPIO access, captive reset and user buttons, roof ventilation, clearance for a 30 × 30 × 10 mm fan, and space for a 14 × 14 × 6 mm heatsink.

The expansion side accepts one of two interchangeable covers:

- Solid mikroBUS blank
- CSI ribbon opening

The two covers are alternatives. Install only the one that matches your build.

It should all be printable without supports, though it hasn't been tested yet. The small button pistons may benefit from a brim on some printers.

The desktop plate contains seven printed parts: six parts for one assembled case, plus the alternative expansion cover. The body volumes use material 1 and the flush lettering inlays use material 2. Assign both materials to the same filament for a single-colour print.

Nominal hardware shown in the renders:

- 4x | M3 × 16 mm enclosure screws
- 4x | M3 heat-set inserts
- 4x | adhesive feet
- Board, fan and heatsink

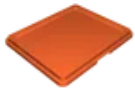
You will also find an assembly guide in the file download section.

Physical printing, assembly fit and thermal performance have not yet been tested.

Check out the 10" 1U rack version too:

Model files

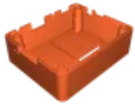
	Individual_Parts	7 files
	button_piston_usr.3mf	
	button_piston_rst.3mf	
	csi_slot_cover.3mf	



header_cover_mikrobus.3mf



header_cover_gpio.3mf



top_shell.3mf

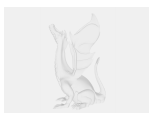


bottom_tray.3mf



coralboard_desktop_case_plate.3mf

Other files



manual_00_master_exploded_poster.svg

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