



19cm network rack



Blinkinlabs

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Summary

A miniature rack for organizing your network appliances.

[Household](#) > [Office](#)

Tags: [rack](#) [server](#) [network](#) [serverrack](#) [networkrack](#)

I wanted to organize our small pile of home networking gear, so I designed this 3d-printed rack. From top to bottom, it holds:

- Feed-through patch panel with slots for 9 keystone jacks
- Cisco SG250-08 L3 managed switch
- GL-iNet GL-MV1000 router running OpenWRT, in a custom case (also included)
- HP EliteDesk 705 G2 Mini PC

There's space in the frame for one or two more pieces of gear, and I zip-tied a power strip in the back so that all of the wiring is contained inside the frame.

All of the parts are designed to fit on a Prusa MK3S+ printer, in PLA.

Hardware required for the frame:

- 24pc M3 socket head screw, 24mm length, fully threaded
- 24pc M3 4x10mm hot melt insert nuts

and for each mounting plate:

- 4pc M3 hex socket countersunk screw, 20mm length
- 4pc M3 4x6mm hot melt insert nuts

Model files



corner-support.stl

☐ Print 4pcs



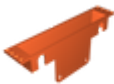
rack-front.stl

☐ Print 2pcs



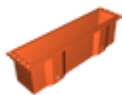
keystone_jack_mount_plate.stl

☐ Mounting plate for 9pc keystone jacks



cisco_mount_plate.stl

☐ Mounting plate for a Cisco SG250-08 network switch



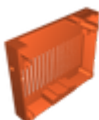
hp_mount_plate.stl

☐ Mounting plate for an HP EliteDesk 705 G2 Mini computer



gl_mount_plate.stl

☐ Mounting plate for a GL.iNet GL-MV1000 router



router_top.stl

☐ Custom case for the GL.iNet GL-MV1000 router



router_bottom.stl

☐ Custom case for the GL.iNet GL-MV1000 router



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