

## TP-Link 1U rackmount housing for OC200 and TL- SG1005P

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## Summary

1U rackmount adapter for TP-Link OC200 Omada Cloud Controller and TP-Link TL-SG10 PoE switch.

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Tags: [rackmount](#) [networking](#) [1umount](#) [networkingrack](#)  
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## Description

This is a 1U rackmount adapter that allows you to rack-mount a TP-Link OC200 Omada Cloud Controller side-by-side with a TP-Link TL-SG1005P 5-port PoE switch.

## Parts Required

This adapter is split into two pieces so that it fits on a standard print bed. To join the two halves together, you will need:

- 2x M4 hex nuts
- 2x M4-12 cap head screws

## Print Instructions

The assembly in the pictures was printed at the following settings:

- Printer: Prusa i3 MK3S
- Print Settings
  - 0.2mm layer height
  - 3 shells sides
  - 5 shells top and bottom
  - 15% infill
- Filament: PolyTerra Charcoal Black PLA
- Supports: none
- Brim: none

## Assembly Instructions

1. Print both halves of the assembly with the faceplates pointing down into your print bed. Use a satin-finish print bed if you're trying to match the powdercoat of your rack.
2. Print 2 backstops - they are keyed to fit into the rear of each shelf. Secure them with glue if you want, however friction keeps mine in-place just fine.
3. Use two M4-12 bolts and nuts to join both halves of the assembly together.
4. Mount empty assembly in your rack.
5. **NOTE:** the Omada Controller and PoE switch slide in from the front but ARE NOT MECHANICALLY SECURED into the assembly. Add some double-sided tape on each shelf if you want to secure them in-place.
6. Enjoy your sweet rack-mounted network appliances!

## Updates

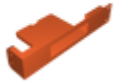
- 2022-07-15: By request, added blank left & right panels in case you only need 1 network appliance instead of 2.

## Model files



**tplink-1u-rackmount-assembly-left-mm.stl**

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**tplink-1u-rackmount-assembly-right-mm.stl**



**tplink-1u-rackmount-assembly-backstop-mm.stl**



**tplink-1u-rackmount-assembly-left-blank-mm.stl**



**tplink-1u-rackmount-assembly-right-blank-mm.stl**

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