

## ESP32 D1 Mini BME280 IoT sensor case



zefer

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updated 14. 1. 2023 | published 14. 1. 2023

### Summary

A case for an ESP32 D1 Mini, designed for this home IoT climate sensor:  
<https://github.com/zefer/atmos>



1.14 hrs



2 pcs



0.20 mm



0.40 mm



PLA



11 g



Prusa  
MK3/S/S+

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Tags: [bme280](#) [bmp280](#) [d1mini](#) [esp32](#) [iot](#) [climate](#)  
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This is a small case that snugly fits an AZ-Delivery ESP32 D1 Mini board. The lid is designed to mount an external BME280 or BMP280 sensor board, although this is optional.

It has been designed and printed as part of this project: <https://github.com/zefer/atmos>.

## Changelog

- Jan 1 2023 (v41): increased height of BME/BMP sensor pillar, for more separation from the ESP32 board to reduce any potential heat interference from the board. Widened the BME/BMP “slot” so soldered wires will fit, to accomodate the height change. Increased the size of the reset button hole for easier access.

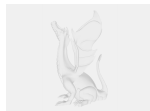
## Model files

**atmosbase.stl**

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**atmoslid.stl**

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**esp32-d1-mini-atmos-case-v1a-v41.f3d**

## Print files

**atmosbase\_02mm\_pla\_mk3s\_41m.gcode**

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 0.69 hrs ⚖️ 8 g 🖨️ Prusa MK3/S/S+

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**atmoslid\_02mm\_pla\_mk3s\_27m.gcode**

🌀 PLA 🌀 0.40 mm ≡ 0.20 mm ⌚ 0.45 hrs ⚖️ 3 g 🖨️ Prusa MK3/S/S+

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