Prusa CORE One to CORE One+ Upgrade Community version

Prusa Research

VIEW IN BROWSER

updated 23. 11. 2025 | published 23. 11. 2025

Summary

Prusa CORE One to CORE One+: All printable parts you need for the upgrade.

4.02 hrs	4 pcs	0.20 mm	0.40 mm	PET PC	89 g	Prusa CORE One

3D Printers > Prusa Parts & Upgrades

Tags: upgrade parts one core coreone

New key features of CORE One+

- Automatic grille opening adjusts the chamber ventilation based on the internal temperature. This ensures that the environment is optimal for the materials being printed, helping to reduce warping and improve adhesion.
- Advanced side filament sensor featuring a hardware switch to ensure reliable, snag-free feeding of TPU filaments.

Which parts can be upgraded

- Nextruder & Top panel (for vent. grille automation)
- Side filament sensor
- Spool holder

Manual

The assembly guide for the community version is available in this help article.

Print instructions

Download the latest PrusaSlicer and use the following settings**:

Recommended print settings for PETG parts

- Layer height: 0.2 mm
- Infill: 20%
- Infill pattern: Grid
- Brim: Optional (recommended for very small parts)

Recommended settings for PCCF parts

C1+ VENT BLOCK

- Layer height: 0.2 mm
- Infill: 20%
- Infill pattern: Grid
- Brim: Recommended

PRINTHEAD COVER RIGHT LEVER

- Layer height: 0.2 mm
- Perimeters: 3
- Infill: 50%
- Infill pattern: Grid
- Brim: Recommended

**The prints were tested on the Prusa CORE One printer.

Model files

3MF 4 files

vent-control.3mf

filament-sensor-body.3mf

filament-sensor-switch.3mf

spoolholder.3mf

Spoolholder

2 files

puck-universal-r1.stl

Recommended material: PETG

spoolholder-static-r1.stl

Recommended material: PETG

Ventillation Grille

2 files

c1_printhead_cover_right_lever_r1.stl

Recommended material: PCCF

c1_upg_vent_block_r1-b.stl

Recommended material: PCCF

Filament Sensor 4 files

c1_filament_sensor_cover_r1.stl

Recommended material: PETG

c1_filament_sensor_body_r1.stl

Recommended material: PETG

c1l-filament-sensor-lever-r1.stl

Recommended material: PETG

c1l-filament-sensor-switch-r1.stl

Recommended material: PETG, Recommended color: Orange

Print files

Ventillation Grille (PCCF) 1 file

vent-control_04n_02mm_pc_coreone_37m.bgcode

PC 0.40 mm 0.20 mm 0.62 hrs 12 g Prusa CORE One

Filament Sensor (PETG)

2 files

filament-sensor-body_04n_02mm_petg_coreone_58m.bgcode

PET | 0.40 mm | 0.20 mm | 0.97 hrs | 22 g | Prusa CORE One

filament-sensor-switch_04n_02mm_petg_coreone_10m.bgcode

PET | 0.40 mm | 0.20 mm | 0.17 hrs | 1 g | Prusa CORE One

Recommended color: Orange

Spoolholder (PETG)

1 file

spoolholder_04n_02mm_petg_coreone_2h15m.bgcode

PET | 0.40 mm | 0.20 mm | 2.26 hrs | 54 g | Prusa CORE One

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