

ELEGOO Neptune 4 Pro 3D Printer



SKU: IT63446

€399.00

Specifications

Technical Specifications

- Technology: FDM (Fused Deposition Modeling)
- Mainboard: Klipper ARM 64-bit Quad-core
- LCD screen: 4.3" Full Color HD Capacitive Screen
- Connectivity: WLAN / USB
- Power Requirements: 100-120V/200-240V
- Output Voltage: 24V
- Print precision: $\pm 0.1\text{mm}$
- Nozzle diameter: 0.4mm
- 100W+150W power output Heatbed
- Leveling Mode: Auto 121 points, Auto Bed Leveling or Manual
- Build Volume: 225mm(D) x 225mm(W) x 265mm(H)
- Printing Speed: 30-500mm/h (250mm/s is recommended)
- Light Source: UV Integrated Light (wavelength 405nm)

- Compatible Filaments: PLA, ABS, TPU, PETG, Nylon
- Input Formats: STL, OBJ
- Output Formats: Gcode
- Slicing Software: Cura

General Specifications

- Pre-installed Klipper Firmware: It features a quiet Klipper motherboard and ARM 64-bit 1.5G main frequency quad-core processor for sufficient processing power
- : It prints at a amazing speed of up to 500mm/s recommended 250mm/s
- : Supports advanced functions like input shaping and pressure advance to achieve accurate and smooth models
- Dual-Gear Direct Extruder: The dual-gear direct drive extruder with gears made of SUS303 stainless steel features adjustable extrusion force and a 5.2:1 reduction ratio
- : Which ensures smoother filament feeding and stable accurate printing, greatly reducing nozzle clogging and gear jumping problems
- : Ideal for printing PLA, PETG, ABS, TPU and high-temperature filaments like Nylon
- Auto/Auxiliary Bed Leveling: With 121 11x11 points auto bed leveling
- : You can achieve consistent and reliable prints every time without the need for manual bed leveling
- : Additionally, the auxiliary leveling by hand-twist knobs allows for further fine-tuning of the print beds level for improved print quality
- 300°C High-temp Nozzle: the printer can handle a wide range of filaments, including PLA, PETG, ABS, TPU and high-temperature filaments like Nylon
- : The extended hot end design ensures consistent heating and faster melting and extrusion, resulting in faster printing speed
- Intelligent Segmented Heatbed: With 100W+150W power output, the slicing software automatically recognizes the size of the model during slicing
- : And activates the peripheral heating zone if the model size exceeds the center heating zone 120mmx120mm
- : The two partitions can also be turned on and off manually for more precise temperature control
- : Additionally, the surface of the PEI magnetic platform is marked for guidance
- Removable Capacitive Touchscreen: The 4.3-inch removable magnetic capacitive touch screen can be operated by hand-held or fixed on the base,
- : With a print model preview function to preview the model image during printing and observe the printing progress, supporting multi-language
- : There also comes with a drawer toolbox on the machine base to store tools used by the printer such as Allen wrench and nozzle accessories
- Efficient Heat Dissipation: Features 2 thickened double-sided 4015 ball bearing cooling fans

- : Features 4x4020 ball bearing blower fans behind the print head for omnidirectional rapid cooling
- : The newly printed layers to prevent warping and improve overall print quality even at a fast printing speed
- Supports LAN networking printing :You can use the WEB terminal to remote control and monitor your printer on the same network
- XY-axis Belt: Easy to adjust with a hand-twist knob, and the widened Y-axis profile ensures a stable printing platform
- Model Preview: It features a printed model preview and a pause printing function to monitor printing progress and make adjustments as needed
- The gantry LED light bar: Can be operated via the screens button for conveniently observing model printing in a dark environment
- Nozzle LED light: Can be operated via the screens button for conveniently observing model printing in a dark environment

Dimensions & Weight

- Dimensions (HxWxD): 51.5x47.5x45.5 cm
- Weight: 8.9 kg