Item	Specification Specification		
Printing Technology	Fu	Fused Deposition Modeling	
Body Physical Dimensions	Build Volume (W*D*H)	Single Nozzle Printing: 305*320*325 mm ³ Dual Nozzle Printing: 300*320*325 mm ³ Total Volume for Two Nozzles: 330*320*325 mm ³	
	Chassis	Aluminum and Steel	
	Outer Frame	Plastic and Glass	
	Physical Dimensions	492*514*626 mm³	
	Net Weight	32.5 kg	
Toolhead	Extruder Gear	Hardened Steel	
	Nozzle	Hardened Steel	
	Max Nozzle Temperature	350 ℃	
	Supported Nozzle Diameter	0.2 mm, 0.4 mm, 0.6 mm, 0.8 mm	
	Filament Cutter	Built-in	
	Filament Diameter	1.75 mm	
	Extruder Motor	Bambu Lab High-precision Permanent Magnet Synchronous Motor	
	Build Plate Material	Flexible Steel Plate	
	Included Build Plate Type	Textured PEI Plate	
Heatbed	Supported Build Plate Type	Textured PEI plate, Engineering Plate	
	Max Heatbed Temperature	120 ℃	
Speed	Max Speed of Toolhead	1000 mm/s	
	Max Acceleration of Toolhead	20,000 mm/s ²	
	Max Flow for Hotend	40 mm ³ /s (Test parameters: 250 mm round model with a sing outer wall; Bambu Lab ABS; 280 °C printing temperature)	
Chamber	Active Chamber Heating	Supported	
Temperature Control	Max Temperature	65 ℃	
Air Purification	Pre-filter Grade	G3	
	HEPA Filter Grade	H12	
	Activated Carbon Filter Type	Granulated Coconut Shell	
	VOC Filtration	Superior	
	Particulate Matter Filtration	Supported	
Cooling	Part Cooling Fan	Closed Loop Control	
	Cooling Fan for Hotend	Closed Loop Control	
	Main Control Board Fan	Closed Loop Control	
	Chamber Exhaust Fan	Closed Loop Control	
	Chamber Heat Circulation Fan	Closed Loop Control	
	Auxiliary Part Cooling Fan	Closed Loop Control	
	Toolhead Enhanced Cooling Fan	Closed Loop Control	
Supported Filament Type	PLA, PETG, TPU, PVA, BVOH, ABS, ASA, PC, PA, PET, PPS;Carbon/Glass Fiber Reinforced PLA, PETG, PA, PET, PC, ABS, ASA, PPA, PPS		

Sensor	Live View Camera	Built-in; 1920*1080
	Nozzle Camera	Built-in; 1920*1080
	BirdsEye Camera	Built-in; 3264*2448
	Toolhead Camera	Built-in; 1920*1080
	Door Sensor	Supported
	Filament Run Out Sensor	Supported
	Filament Tangle Sensor	Supported
	Filament Odometry	Supported with AMS
Electrical Requirements	Power Loss Recovery	Supported
	Voltage	100-120 VAC / 200-240 VAC, 50/60 Hz
	Max Power*	1800 W@220 V/1250 W@110 V
	Typical Power	200 W@220 V/200 W@110 V (Single Nozzle Printing PLA)
Working Temperature	10 °C-30 °C	
	Touchscreen	5-inch 720*1280 Touchscreen
	Storage	Built-in 8 GB EMMC and USB Port
Electronics	Control Interface	Touchscreen, mobile App, PC App
	Motion Controller	Dual-core Cortex-M4 and Single-core Cortex-M7
	Application Processor	Quad-core 1.5 GHz ARM A7
	Neural Processing Unit	2 TOPS
Software	Slicer	Bambu StudioSupports third-party slicers which export standard G-code, such as Super Slicer, PrusaSlicer and Cura, but certain advanced features may not be supported.
	Supported Operating System	MacOS, Windows, Linux
Network Control	Ethernet	Not Available
	Wireless Network	Wi-Fi
	Network Kill Switch	Not Available
	Removable Network Module	Not Available
	802.1X Network Access Control	Not Available
Wi-Fi	Operating Frequency	2412 - 2472 MHz, 5150 - 5850 MHz (FCC/CE)2400 - 2483.5 MHz, 5150 - 5850 MHz (SRRC)
	Wi-Fi Transmitter Power (EIRP)	2.4 GHz: <23 dBm (FCC); <20 dBm (CE/SRRC/MIC)5 GHz Band1/2: <23 dBm (FCC/CE/SRRC/MIC)5 GHz Band3: <30 dBm (CE); <24 dBm (FCC)5 GHz Band4: <23 dBm (FCC/SRRC); <14 dBm (CE)
	Wi-Fi Protocol	IEEE 802.11 a/b/g/n