P2S Spec Sheet

Item		Specification
Printing Technology		Fused Deposition Modeling
Body	Build Volume (W*D*H)	256*256*256 mm^3
	Chassis	Plastic and Steel
	Outer Frame	Plastic and Glass
Physical Dimensions	Physical Dimensions	392*406*478 mm^3
	Net Weight	14.9 kg
Toolhead	Extruder Gear	Hardened Steel
	Nozzle	Hardened Steel
	Max Nozzle Temperature	300 °C
	Included Nozzle Diameter	0.4 mm
	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
Heatbed	Build Plate Material	Flexible Steel Plate
	Included Build Plate Type	Textured PEI Plate
	Supported Build Plate Type	Textured PEI plate, Smooth PEI Plate, Cool Plate SuperTack
	Max Heatbed Temperature	110 °C
Speed	Max Speed of Toolhead	600 mm/s
	Max Acceleration of Toolhead	20,000 mm/s^2
	Max Flow for Hotend (Standard Flow Hotend)	40 mm^3/s (Test parameters: 250 mm round model with a single outer wall; Bambu Lab ABS; 280 °C printing temperature)
Air Purification	Activated Carbon Filter Type	Granulated Coconut Shell
	VOC Filtration	Supported
	Particulate Matter Filtration	Supported
Cooling	Part Cooling Fan	Closed Loop Control
	Cooling Fan for Hotend	Closed Loop Control
	Auxiliary Part Cooling Fan	Closed Loop Control
Filament Supported	PLA, PETG, ABS, ASA, TPU, Support for PLA, Support for PLA/PETG, Support for ABS, PET, PA, PC, PVA, PLA-CF, PETG-CF, ABS-GF, ASA-CF, PA6-CF, PA6-GF, PAHT-CF, PPA-CF, PET-CF	

Item		Specification
Sensor	Camera	Built-in; 1920*1080; 30 fps HD
	Door Sensor	Supported
	Filament Run Out Sensor	Supported
	Filament Tangle Sensor	Supported
	Filament Odometry	Supported with AMS
	Power Loss Recovery	Supported
Electrical Requirements	Voltage	100-120 VAC / 200-240 VAC, 50/60 Hz
	Max Power*	1200 W@220 V / 1000 W@110 V
	PLA Steady-State Power	200 W@220 V / 200 W@110 V（PLA printing）
Electronics	Touchscreen	5-inch 854*480 Touchscreen
	Storage	Built-in 8 GB EMMC and USB Port
	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 Studio Supports 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	Dual-Band 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

* To ensure the heatbed quickly reaches the needed temperature (35-110℃), the printer will maintain maximum power for about 3-5 minutes.