

Item		Specification
Printing Technology		Fused Deposition Modeling
Body	Print Size (W*D*H)	305*305*280 mm
	Dimensions	505*487*550 mm
	Package Dimensions:	580*600*650mm
	Net Weight:	27kg
	Gross weight:	32kg
	XY Structure	CoreXY
	X/Y Axis	10mm High hardness linear hollow steel shafts, Belt tensioned automatically
	Z Axis	Dual Independent Lead Screw Motors, 10mm linear shafts and screws
	Shell	Plastic
	Chassis	Steel
	Motor	42-48 High-Speed Motor
Print Head	Print Head Temperature	≤ 370°C
	Extruder Gear	Hardened Steel Gears
	Transmission Ratio	8.9: 1
	Hot End	Ceramic Plate Heating, Multi-metal
	Temperature Measurement Unit	Thermocouple
	Nozzle	Bimetal Nozzle
	Nozzle Diameter	0.4mm 0.2/0.6/0.8 mm Optional
	Filament Cutter	Yes
	Filament Diameter	1.75mm
Hot Bed	Printing Platform	6mm Aluminum Substrate Heating Bed
	Printing Plate	PEI Magnetic Build Plate
	Hot Bed Temperature	≤ 120°C
Speed	Max Speed of Tool Head	600mm/s
	Maximum Printing Acceleration	20000mm/s ²
Cool Down	Hot End Cooling Fan	Closed-Loop Control
	Model Cooling Fan	Closed-Loop Control
	Auxiliary Part Cooling Fan	Closed-Loop Control
	Motherboard Fan	Closed-Loop Control
	Chamber Circulation Fan	Closed-Loop Control
	Chamber Temperature	2nd Gen Up to 65° C, Independent Chamber Heating
	Activated carbon air filter	Yes
Filament	Supported Filament	PLA, ABS, ASA, PETG, TPU,PA, PC, Carbon/ Glass Fiber Reinforced Polymer, etc.
	Seal Print	Compatible
Sensor	Filament Tangle Detection	Yes
	Filament Run Out Sensor	Yes (built-in Hall sensor)
	Automatic Leveling	Yes
	Input Shaper	Yes
Power Supply	Voltage	100/240 VAC, 50/60Hz
	Power Loss Recovery	Yes
	Rated Power	450W+400W(Chamber Heating)
Electronics	Display Screen	5 Inch 800*480 Touch Screen
	Storage	32G EMMC and USB2.0 Flash Drive
	Camera	Camera (Up to 1080P), Timelapse Supported
	Stepper Motor Driver	TMC2240
	Motion Controller	Dual-Core Cortex-M4
	Application Processor	Quad-Core 1.5GHz Cortex-A53 64-bit
	Extruder Independent Processor	Dual-Core Cortex-M0+
	Control Interface	Touch Screen, APP, PC Application
WIFI	Connectivity	Wi-Fi; Ethernet; USB
	Wifi Frequency Bands	150M 2.4 GHz
	Transmitter Power (EIRP)	18 dBm (MAX)
	Protocol	IEEE 802.11b/g/n
Software	Slicer	QIDI Studio and other third-party software, such as Ultimaker Cura, Simplify3D, PrusaSlicer, Orca etc.
	Operating System	Windows, MacOS, Linux