QIDI Plus5

Technical Specification

Item		Specification
Printing Technology		Fused Deposition Modeling
Body	Print Size (W*D*H)	320*320*300 mm
	Dimensions	500*488*558 mm
	Package Dimensions：	620*630*700mm
	Net Weight：	29kg
	Gross Weight：	37.8kg
	XY Structure	CoreXY
	X Axis	High Hardness Linear Guide Rail
	Y Axis	10mm Linear Shafts
	Z Axis	Dual Independent Lead Screw Motors, 10mm Linear Shafts and Screws
	Belt	1.5GT 9mm Width Belt
	Shell	Glass and Plastic
	Chassis	Steel
	Motor	42-48 High-Speed Motor
Print Head	Print Head Temperature	≤ 370℃
	Extruder Gear	Direct Extruder Hardened Steel Dual Gears
	Transmission Ratio	8.9：1
	Hotend	Ceramic Plate Heating, Multi-metal Only Need 40s Heating from 30℃ to 220℃
	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
HeatBed	Printing Platform	Aluminum Plate Silicone Heated Bed
	Printing Plate	Double-sided PEI Magnetic Build Plate
	Hot Bed Temperature	≤ 120℃
	Status RGB LED	Yes
Speed	Max Speed of Tool Head	600mm/s
	Maximum Printing Acceleration	20000mm/s^2
Cool Down	Hot End Cooling Fan	4-Pin PWM Fan with RPM Feedback
	Model Cooling Fan	4-Pin PWM Fan with RPM Feedback
	Auxiliary Part Cooling Fan	4-Pin PWM Fan with RPM Feedback
	Motherboard Fan	Voltage-controlled Fan
	Chamber Circulation Fan	Voltage-controlled Fan
	Chamber Temperature	3rd Gen Up to 65° C , Independent Chamber Heating, 4-Pin PWM Fan with RPM Feedback
	Air filter	3-in-1 Air Filter: G3 Pre-Filter + H12 HEPA + Coconut Shell Activated Carbon
	Extruder Cooler	Optional (Polar Cooler required)
Filament	Supported Filament	PLA, ABS, ASA, PETG, TPU, PA, PC, Carbon/ Glass Fiber Reinforced Polymer, etc.
	Seal Print	Compatible
Sensor	Filament Tangle Detection	Yes (QIDI BOX required)
	Filament Run Out Sensor	Yes
	Automatic Leveling	Loadcell Sensor Integrated into the Hotend
	Input Shaper	Yes
	Power Loss Recovery	Yes
	AI Camera Detection	Yes
Power Supply	Voltage	110V / 220–240V AC, 50/60Hz (region-specific models available)
	Rated Power	150W+550W(Chamber Heating)+500W(Heatbed) Steady-State Power（25°C Ambient）: PLA:190W ABS:500W
Electronics	Display Screen	4Inch 800*480 Touch Screen
	Storage	32G EMMC and USB2.0 Flash Drive
	Camera	Camera (Up to 1080P) , Timelapse Supported
	Stepper Motor Driver	TMC2240/TMC2209
	Motion Controller	ARM Cortex-M4
	Application Processor	Quad-Core 1.1GHz Cortex-A35
	Extruder Independent Processor	ARM Cortex-M4
	Control Interface	Touch Screen, Mobile APP, PC Application
	Connectivity	Wi-Fi ; Ethernet; USB
WIFI	Wifi Frequency Bands	2.4 GHz (2.400–2.4835 GHz) / 5 GHz (5.150–5.850 GHz)
	Transmitter Power（EIRP)	2.4 GHz ≤16dBm； 5 GHz ≤13dBm
	Protocol	IEEE 802.11 a/b/g/n/ac
Software	Slicer	QIDI Studio and other third-party software, such as PrusaSlicer, Orca etc, but certain advanced features may not be supported.
	File Formats for Slicing	STL, OBJ, 3MF, STEP (.stp/.step), etc.
	Operating System	Windows、MacOS、Linux

Tips:
1.For better print quality, please use the QIDI official filaments.

2.The printer' s voltage specifications vary by sales region. Before use, please check the label next to the power socket on the printer to ensure the supplied voltage matches the indicated voltage.

3.To ensure the heatbed quickly reaches the needed temperature, the printer will maintain maximum power for about 3-5 minutes.

4.Special area: Lower-left 9×13 mm area is non-printable by default. Remove cutter for full-plate printing.