



QIDI Max4

Technical Specification

Item		Specification
Printing Technology		Fused Deposition Modeling
Body	Print Size (W*D*H)	390*390*340mm
	Dimensions	558*578*612mm
	Package Dimensions:	700*710*750mm
	Net Weight:	Max4:40kg Max4 Combo:46.5kg
	Gross Weight:	Max4:49.5kg Max4 Combo:56kg
	XY Structure	CoreXY
	X Axis	High Hardness Linear Guide Rail
	Y Axis	12mm High Hardness Linear Steel Shafts
	Z Axis	Independent 2mm lead screw motors ×2 12mm Linear Steel Shafts ×4
	Shell	Glass and Plastic
	Chassis	Steel
	X/Y Belt	1.5GT 10mm Width Belt
	X/Y Motor	FOC Closed-loop Stepper Motor
Print Head	Print Head Temperature	≤ 370℃
	Extruder	Direct Extruder Hardened Steel Dual Gears
	Transmission Ratio	8.9: 1
	Hotend	Ceramic Ring Heater, Multi-metal
	Max Flow for Hotend	40 mm³/s(Test parameters: model with a single outer wall; QIDI Rapido ABS; 280 ℃ printing temperature)
	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	Aluminum Plate Silicone Heated Bed
	Included Build Plate Type	Double-sided PEI Magnetic Build Plate
	Supported Build Plate Type	Textured PEI plate, Smooth PEI Plate, Cool Plate
	Hot Bed Temperature	≤ 120℃
	Status RGB LED	Yes
Speed	Max Speed of Tool Head	800mm/s
	Maximum Printing Acceleration	30000mm/s²
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	Closed Loop Control
	Chamber Circulation Fan	High-power turbo, Closed Loop Control
	Chamber Temperature	2nd 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	Yes (Polar Cooler required)
Filament	Supported Filament	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, 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+500W(Chamber Heating)+700W(Heating Bed) * To ensure the heatbed quickly reaches the needed temperature (35-120℃), the printer will maintain maximum power for about 3-5 minutes.
Electronics	Display Screen	5 Inch 800*480 Touch Screen
	Storage	32G EMMC and USB2.0 Flash Drive
	Camera	Camera (Up to 1080P) , Timelapse Supported
	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