

## QIDI Q2

### Technical Specification

Item	Specification	
Printing Technology		
Fused Deposition Modeling		
<b>Body</b>	Print Size (W*D*H)	270*270*256 mm
	Dimensions	402*438*494 mm
	Package Dimensions:	480*520*585mm
	Net Weight:	18.1kg
	Gross Weight:	23.5kg
	XY Structure	CoreXY
	X Axis	High Hardness Linear Guide Rail
	Y Axis	8mm High Hardness Linear Hollow Steel Shafts
	Z Axis	Dual Independent Lead Screw Motors, 10mm Linear Shafts and Screws
	Shell	Glass and Plastic
	Chassis	Steel
	Motor	42-48 High-Speed Motor
<b>Print Head</b>	Print Head Temperature	≤ 370°C
	Extruder Gear	Hardened Steel Dual Gears
	Transmission Ratio	8.9: 1
	Hotend	Ceramic Plate Heating, Multi-metal Only Need 40s Heating from 30°C to 220°C
	Temperature Measurement Unit	Thermocouple
	Nozzle	Bimetal Nozzle
	Nozzle Diameter	0.4mm 0.2/0.6/0.8 mm Optional
	Filament Cutter	Yes
<b>Hot Bed</b>	Filament Diameter	1.75mm
	Printing Platform	Aluminum Substrate Heating Bed
	Printing Plate	Double-sided PEI Magnetic Build Plate
<b>Speed</b>	Hot Bed Temperature	≤ 120°C
	Max Speed of Tool Head	600mm/s
<b>Cool Down</b>	Maximum Printing Acceleration	20000mm/s <sup>2</sup>
	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	2nd Gen Up to 65° C , Independent Chamber Heating, 4-Pin PWM Fan with RPM Feedback
<b>Filament</b>	Air filter	3-in-1 Air Filter: G3 Pre-Filter + H12 HEPA + Coconut Shell Activated Carbon
	Supported Filament	PLA, ABS, ASA, PETG, TPU, PA, PC, Carbon/ Glass Fiber Reinforced Polymer, etc.
<b>Sensor</b>	Seal Print	Compatible
	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
<b>Power Supply</b>	AI Camera Detection	Yes
	Voltage	110V / 220-240V AC, 50/60Hz (region-specific models available)
<b>Electronics</b>	Rated Power	350W+280W(Chamber Heating)
	Display Screen	4.3 Inch 480*272 Touch Screen
	Storage	32G EMMC and USB2.0 Flash Drive
	Camera	Camera (Up to 1080P) , Timelapse Supported
	Stepper Motor Driver	TMC2240
	Motion Controller	Single-Core Cortex-M4
	Application Processor	Quad-Core 1.1GHz Cortex-A35
	Extruder Independent Processor	Single-Core Cortex-M4
	Control Interface	Touch Screen, Mobile APP, PC Application
<b>WIFI</b>	Connectivity	Wi-Fi ; Ethernet; USB
	Wifi Frequency Bands	2.4 GHz
	Transmitter Power (EIRP)	18 dBm (MAX)
<b>Software</b>	Protocol	IEEE 802.11b/g/n
	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