

# QIDI Q1 Pro

## Technical Specifications

	Item	Specification
<b>Body</b>	Print Size (W*D*H)	245*245*245 mm
	Dimensions	477*467*489 mm
	Package Dimensions	545*535*595mm
	Net Weight	17kg
	Gross Weight	20.3kg
	XY Structure	CoreXY
	X/Y Axis	10mm High hardness linear hollow steel shafts Belt tensioned automatically
	Z Axis	Dual Independent Lead Screw Motors
	Shell	Plastic
	Chassis	Steel
	Motor	42-48 High-Speed Motor
<b>Print Head</b>	Print Head Temperature	≤ 350°C
	Extruder Gear	Hardened Steel Gears
	Transmission Ratio	8.9: 1
	Hot End	Ceramic Plate Heating Hot End
	Temperature Measurement Unit	Thermocouple
	Nozzle	Bimetal Nozzle
	Nozzle Diameter	0.4mm 0.2/0.6/0.8 mm Optional
	Filament Diameter	1.75mm
<b>Hot Bed</b>	Printing Platform	Aluminum Substrate Heating Bed
	Printing Plate	PEI Magnetic Build Plate
	Hot Bed Temperature	≤ 120°C
<b>Speed</b>	Max Speed of Tool Head	600mm/s
	Maximum Printing Acceleration	20000mm/s <sup>2</sup>
<b>Cool Down</b>	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	60° C Independent Chamber Heating
	Activated carbon air filter	Optional
<b>Filament</b>	Recommended Filament	PLA, ABS, ASA, PETG
	Compatible Filament	TPU,PA, PC, Carbon/ Glass Fiber Reinforced Polymer
	Seal Print	Compatible
<b>Sensor</b>	Filament Tangle Detection	Support
	Filament Run Out Sensor	Support (built-in Hall sensor)
	Automatic Leveling	Support
	Input Shaper	Support
<b>Power Supply</b>	Voltage	100-240 VAC, 50/60Hz
	Power Loss Recovery	Support
	Rated Power	350W+300W (Chamber Heater)
<b>Electronics</b>	Display Screen	4.3 Inch 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+
<b>WIFI</b>	Wifi Frequency Bands	150M 2.4 GHz Wifi-6
	Transmitter Power (EIRP)	18 dBm (MAX)
	Protocol	IEEE 802.11b/g/n
<b>Software</b>	Slicer	QIDI Slicer and other third-party software, such as Ultimaker Cura, Simplify3D, PrusaSlicer, Orca etc.
	Operating System	Windows, MacOS, Linux