

QIDI Q1 Pro

Technical Specifications

	Item	Specification
Body	Print Size (W*D*H)	245*245*240 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
Print Head	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
Hot Bed	Printing Platform	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	60° C Independent Chamber Heating
	Activated carbon air filter	Optional
Filament	Recommended Filament	PLA, ABS, ASA, PETG
	Compatible Filament	TPU,PA, PC, Carbon/ Glass Fiber Reinforced Polymer
	Seal Print	Compatible
Sensor	Filament Tangle Detection	Support
	Filament Run Out Sensor	Support (built-in Hall sensor)
	Automatic Leveling	Support
	Input Shaper	Support
Power Supply	Voltage	100-240 VAC, 50/60Hz
	Power Loss Recovery	Support
	Rated Power	350W+300W (Chamber Heater)
Electronics	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+
WIFI	Wifi Frequency Bands	150M 2.4 GHz Wifi-6
	Transmitter Power (EIRP)	18 dBm (MAX)
	Protocol	IEEE 802.11b/g/n
Software	Slicer	QIDI Slicer and other third-party software, such as Ultimaker Cura, Simplify3D, PrusaSlicer, Orca etc.
	Operating System	Windows, MacOS, Linux