



Gemini[★]Mini[★]Pro

Portable NMR Quantum Computer

| 2 Qubits |



Specifications:

Measurement and Control System of Qubits	Qubits		2
	Coherence Time	T1	10s
		T2	300ms
	Single-Qubit Gate Fidelity		0.996
	Multi-Qubit Gate Fidelity		0.993
	Single-Qubit Gate Operation		80
	Multi-Qubit Gate Operation		40
	NMR-Frequency (-H / -P / -F)		27.0 ± 1 MHz / 11.0 ± 0.5 MHz / 25.5 ± 1 MHz
	Pulse Resolution		10ns
	90° Pulse Width		~50us
	Phase Resolution		0.01°
	Spectral Resolution (H Frequency)		~32Hz/1.2ppm
Magnet	Magnet Type		NdFeB permanent magnet
	Magnetic Density		0.65Tesla ±5%
	Stray Field		<0.5m
	Magnet Operation Temperature Range		0~40°C
Operating Software and Function	Operating System		Android
	Operating Method		touch pannel
	Built-in Introduction of Quantum Computing		Yes
	Number of Built-in Demostration Algorithms		8
	Spin Dynamics Experiments		Support some experiments
	Experimental Demonstration		>14
	Custom Quantum Circuit Function		Yes
	Auto Calibration		Yes
	Support SpinQit (Quantum Programming Framework)		Yes
	Cloud Data server		Yes
Support Screen Mirroring		Optional	
HardWare	Mains Power Rating		100~240V AC; 50/60Hz; Single Phase
	Power Dissipation		60W
	Size(H*W*D)		200*350*260mm
	Weight		14Kg

* Specifications subject to change without notice