Lawson
羅森量子

R3E118
BSMI 經濟部標檢局認證

Triangulum Mini

Portable NMR Quantum Computer

| 3 Qubits |

LawsonQ
羅森量子

Specifications:

Measurement and Control System of Qubits	Qubits		3
	Coherence Time	T1	10s
		T2	300ms
	Single-Qubit Gate Fidelity		0.98
	Multi-Qubit Gate Fidelity		0.96
	Single-Qubit Gate Operation		20
	Multi-Qubit Gate Operation		6
	NMR-Frequency（−H / −P / −F）		27.0 ± 1 MHz / - / 25.5 ± 1 MHz
	Pulse Resolution		10ns
	90° Pulse Width		~10us
	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		>18
	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

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