

LawsonQ
羅森量子



三角座

桌上型核磁共振量子電腦

| 3比特 |

三角座是量旋科技最新推出的3比特桌上型核磁共振量子電腦。該產品為量子計算教學和演示提供了一套整體解決方案。



Specifications:

Measurement and Control System of Qubits	Qubits		3
	Coherence Time	T1	15s
		T2	400ms
	Single-Qubit Gate Fidelity		0.99
	Multi-Qubit Gate Fidelity		0.97
	Single-Qubit Gate Operation		~40
	Multi-Qubit Gate Operation		~10
	NMR-Frequency (-H / -P / -F)		36.0 ± 1 MHz / - / 33.9 ± 1 MHz
	Pulse Resolution		10ns
	90° Pulse Width		~10us
	Phase Resolution		0.01°
Spectral Resolution (H Frequency)		~36Hz/1.0ppm	
Magnet	Magnet Type		NdFeB permanent magnet
	Magnetic Density		0.85Tesla ± 5%
	Stray Field		<0.5m
	Magnet Operation Temperature Range		0~40°C
Operating Software and Function	Operating System		windows 10
	Operating Method		Peripheral
	Built-in Introduction of Quantum Computing		Yes
	Number of Built-in Demostration Algorithms		24
	Spin Dynamics Experiments		Support some experiments
	Experimental Demonstration		>18
	Custom Quantum Circuit Function		Yes
	Auto Calibration		Yes
	Support SpinQit (Quantum Programming Framework)		Yes
	Multi-User Operation		Yes
Support local Storage		Yes	
HardWare	Mains Power Rating		100~240V AC; 50/60Hz; Single Phase
	Power Dissipation		60W
	Size(H*W*D)		610*330*560mm
	Weight		44Kg