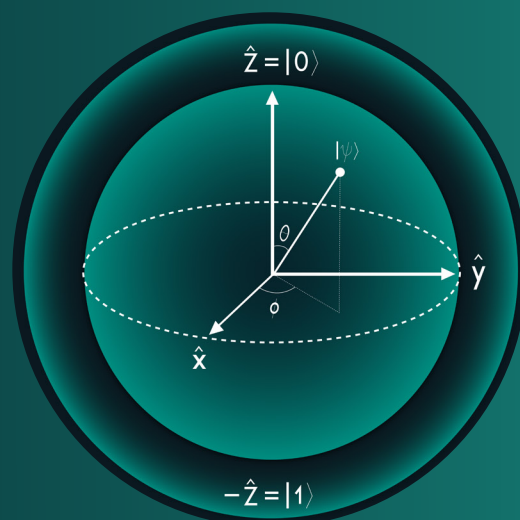


DEMOCRATIZING STEM EDUCATION POPULARIZING QUANTUM COMPUTING



To enable access to knowledge and propel innovation while popularizing quantum education, Vernewell Academy offers opportunities for individuals to learn and use Gemini-Mini Portable NMR Quantum Computer 2 Qubits. We also offer unique packages to educational institutions and organizations that include customized quantum computing training programs with the purchase of the available SpinQ Quantum Computers.



Gemini Mini

Portable NMR quantum computer
| 2 Qubits |



NMR Gemini Mini, 2 qubits, is a touch system providing a comprehensive quantum computing education and demonstration solutions. The equipment integrates 2 qubits real quantum computing system, and up to 8 qubits quantum computing simulator. It supports users to experience customized quantum circuits.

The NMR Gemini Mini, 2 qubits, offers built-in quantum computing courses, from basic concepts to more advanced matters.

The portable device can be used for teaching and self-studying. It can be connected to other SpinQ NMR quantum computers to create a quantum computer network. The equipment is good for users with different backgrounds to learn quantum computing.



Vernewell Academy provides a user-oriented experience for students of various levels, from primary schools to universities and research centers, thanks to the combination of solutions that can be created to create a Quantum Classroom experience.



- Stable performance in room temperature
- Cost effective



- Built-in touch screen
- Castor operating system



- Complete quantum computing course
- Support teaching or self study



- Multiple quantum algorithm
- 2 qubits real quantum computing system and 8 qubits quantum computing simulator.



Specifications :

		Standard
Measurement and Control System of Qubits	Number of Qubits	2
	Coherence Time	40ms
	Single-Qubit Gate Fidelity	0.99
	Two-Qubit Gate Fidelity	0.98
	Single-Qubit Gate Operation	~40
	Two-Qubit Gate Operation	~10
	NMR-Frequency(¹ H)	27.0 ± 1 MHz
	NMR-Frequency(³¹ P)	11.0 ± 0.5 MHz
	NMR-Frequency(¹⁹ F)	25.5 ± 1MHz
	Number of RF Channels	2
	Pulse Resolution	100ns
	90° Pulse Width	~50us
	Phase Resolution	0.1°
NMR Signal Resolution(FWHM)	~50Hz	
Magnet	Magnet Type	NdFeB permanent magnet
	Magnetic Density	0.65Tesla ±5%
	Stray Field(distance of the 0.5mT(5G)) line from the magnetic center)	<0.5m
	Magnet Operation Temperature Range	0~40 C
	Magnet Operation Temperature Precision	-
	Magnet Field Lock Precision	0.1ppm
Operating Software and Function	Operating System	Android
	Built-in Introduction of Quantum Computing	Yes
	Number of Built-in Demonstration Algorithms	>18
	Custom Algorithms	Yes
	Support SpinQKit	No
	Support Master-slave System	No
	Support Data on Cloud	No
HardWare	Mains Power Rating	100~240V AC; 50/60Hz; Single Phase
	Power Dissipation	~60W
	Size(H*W*D)	200*350*260mm
	Weight	14Kg



 +971 58 540 1480

 info@vernewellgroup.com

 www.vernewell.com
www.vernewellacademy.com

Disclaimer

1. This material was produced and distributed by Vernewell Academy. Information provided herein is copyright Vernewell Academy and/or its affiliates, and or its agents and is protected by both national and international intellectual property laws. Accordingly, any unauthorised copying, reproduction, retransmission, distribution, dissemination, sale, publication, broadcast or other circulation, or exploitation of the information, without prior written approval from Vernewell Academy authorized signatory, will constitute an infringement of that copyright.
2. Information contained herein has been created, compiled, or arrived at by Vernewell Academy, and accordingly, neither Vernewell Academy nor its affiliates accept liability for any loss, damage, injury, or expense however caused arising from any use of, or reliance upon in any manner whatsoever, the information provided herein, thereof or makes any representation or warrants, express or implied, as to its accuracy or completeness. This document is not to be relied upon as such or used in substitution for the exercise of independent judgment. Information and services presented herein reflect an assessment at the date of publication, are preliminary in nature and are subject to change. Vernewell Academy and its affiliates may have issued, or may issue, other documents that are inconsistent with, and reach different conclusions from, the information presented herein. Such documents may reflect different, or/and complimentary information and services based on different views, strategies, target markets, and analytical methods of the individuals who prepared them at the time of preparation.
3. Nothing in these materials shall constitute advice or a recommendation by Vernewell Academy and its affiliates. Nothing contained herein shall constitute an offer, a solicitation of an offer, or any advice or recommendation to conclude any transaction (whether on the indicative terms or otherwise) or any commitment on the part of Vernewell Academy to do so. Any indicative disclosure materials or analyses provided to you in connection therewith have been prepared on parameters that reflect good faith determinations by Vernewell Academy, or that have been expressly specified by you and do not constitute advice by Vernewell Academy.