

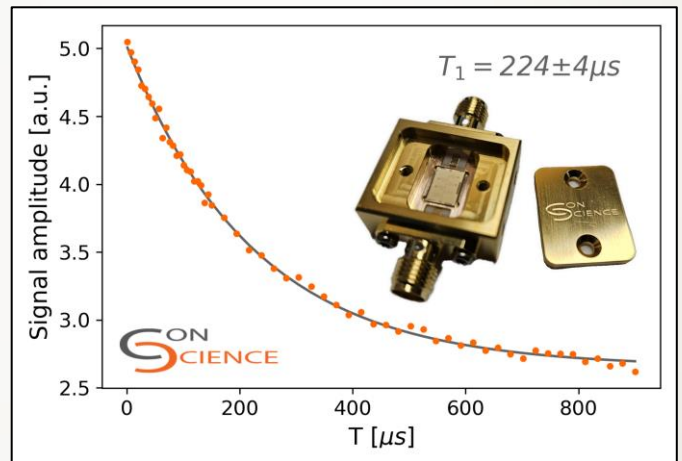
Qubit-in-a-box 0 (QiBO)

Quantum device for benchmarking your setup

We offer single qubits device for equipment and cryostat testing with world class Qubit performance. The device can be used to benchmark your quantum measurement system or demonstrate simple quantum processes such as decoherence and dephasing.

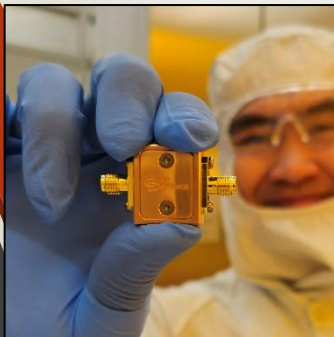
Highlights

- ❖ High-performance Qubits ($T_1 \sim 90\text{-}130 \mu\text{s}$, and $Q \sim 0.8M$).
- ❖ Including 4 fixed frequency Qubits and 2 hanging Coplanar waveguide (CPW) resonators.
- ❖ Enclosed in an electroplated copper box with 2 SMA ports.



Qubit characteristics

	ω_q (GHz)	ω_r (GHz)	T_1 (μs)
Qubit 1	4.346	5.987*	131.15
Qubit 2	4.507	6.162*	116.11
Qubit 3	4.561	6.288*	107.31
Qubit 4	4.716	6.432*	90.58
Resonator 1	-	6.724	-
Resonator 2	-	6.910	-



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