

Recommended device

H2-2

Fit score

0.816

CSE fidelity

0.941

Workload

chemistry**VENDOR-NEUTRALITY ATTESTATION**

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INPUT

Circuit Investor demo GHZ-4 qubits=4, depth=5, 1Q=5, 2Q=4, measured=4
Priorities f=0.45, gamma=0.15, phi=0.3, t=0.1
Category chemistry
Notes Investor demo run - 2026-04-28

RANKING (TOP 5)

Rank	Device	Provider	Fit	CSE F	Notes
1	H2-2	quantinuum	0.816	0.941	
2	ibm_boston	ibm	0.642	0.906	
3	iqm_garnet	aws	0.573	0.912	
4	iqm_emerald	aws	0.560	0.881	
5	ibm_pittsburgh	ibm	0.543	0.846	

... 8 more devices omitted. Full ranking in JSON.

REASONING

H2-2 ranks #1 of 13 devices for workload category 'chemistry'. Fit score 0.8156 under weights {'gamma': 0.15, 'phi': 0.3, 'f': 0.45, 't': 0.1}. Circuit Survival Estimator predicts fidelity 0.941 for the supplied circuit on this device.

FOR THE PROCUREMENT REVIEWER

This decision record is intended for inclusion in a client organisation's tender response, grant application, or internal procurement memo as evidence that the recommended vendor was selected on a vendor-neutral basis. The client organisation -- not the Issuer -- is the responsible party for the procurement decision. The reviewer can verify integrity in three steps: (1) re-hash the record's input + output payloads and compare to the content hash printed in the footer below; (2) resolve the Metriq snapshot commit at github.com/unitaryfoundation/metriq-data and confirm the bound dataset; (3) cross-reference the recommendation against the methodology in the cited paper (DOI 10.5281/zenodo.19785800). Bundle ZIP with full reproduction materials available at qlro.io for clients with platform sign-in.

REPRODUCIBILITY FOOTER

Citation URL: https://qlro.io/decision/rec_h6XdCmQrZ1

Qlro runtime version: 0.6.0

Metriq snapshot commit: 89cd842f231f78f7aeea693ce2755354b8b7e2bb

Accuracy snapshot DOI: 10.5281/zenodo.19731319 (<https://doi.org/10.5281/zenodo.19731319>)

Content hash (SHA-256): d4965bb6a62c6a6816a2d74a7b813267b9b56d53189a3b4c452b960d10b8883d

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