Qlro decision record

vendor-neutral quantum-device recommendation

id: rec_pkiCPRvkm5

at: 2026-04-28T08:14:54 UTC

Recommended device	Fit score	CSE fidelity	Workload
H2-2	**0.816**	**0.941**	**chemistry**

VENDOR-NEUTRALITY ATTESTATION

This recommendation is issued by StockFolio Inc. ("the Issuer"). The Issuer holds no commercial relationship, equity stake, paid promotional agreement, or ranked-listing arrangement with any quantum hardware vendor referenced in the ranking below. The score for each device is computed solely from publicly available Metriq benchmark data and the peer-reviewed Workload-Conditioned Physical Projection framework (WCPP v1.2, Zenodo DOI 10.5281/zenodo.19785800). The Issuer's revenue model is independent of which vendor wins on any specific workload. This document is intended to be submitted by client organisations as third-party evidence within their own procurement, audit, or grant-application workflows.

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_pkiCPRvkm5
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): f001fb8ac342ce5eac0ca0418d68c7475c715560bc7e9a9612042de54a5975f8
Re-hash the (record_id, input, output, snapshot_commit) tuple to verify this record was not altered after issuance.
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