

## 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](https://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](https://qlro.io) for clients with platform sign-in.

**REPRODUCIBILITY FOOTER**

Citation URL: [https://qlro.io/decision/rec\\_IQP4nzAIPi](https://qlro.io/decision/rec_IQP4nzAIPi)

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): 3c84173b6e1c49df61be696c001953ba79d15f68e39d69f76d21cf447cfddd58

*Re-hash the (record\_id, input, output, snapshot\_commit) tuple to verify this record was not altered after issuance.*

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