NEWS RELEASE

IonQ Unveils Forte Enterprise and Tempo, Rack-Mounted Enterprise-Grade Quantum Computers for Today's Data Center Environments

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IonQ provides the most viable, practical, and fastest path to commercial advantage with IonQ Forte Enterprise, an #AQ 35 quantum computer, and IonQ Tempo expected to demonstrate record-breaking #AQ 64

COLLEGE PARK, Md.--(BUSINESS WIRE)-- IonQ (NYSE: IONQ), a leader in the quantum computing industry, today unveiled two new systems that aim to arm enterprises with the right hardware for achieving commercial advantage: IonQ Forte Enterprise and IonQ Tempo. The two rack-mounted solutions are designed for businesses and governments wanting to integrate quantum capabilities within their existing infrastructure.

IonQ Forte Enterprise to bring industry-leading quantum computing performance to modern data centers. (Photo: Business Wire)

Businesses will be able to harness the power of quantum directly from their own data centers, making the technology significantly more accessible and easy to apply to key workflows and business processes. In a **live-streamed** announcement **keynote at Quantum World Congress**, IonQ released details of its forthcoming enterprise-grade, rack-mounted systems as well as an overview of their product roadmap.

Today's announcements include:

- IonQ Forte Enterprise brings quantum computing to modern data centers: With a target performance of #AQ 35, IonQ Forte Enterprise is expected to further IonQ's lead as the provider of the most powerful, commercially available quantum computer in the world. IonQ Forte Enterprise is designed for complex computational problems, including process optimization, quantum machine learning, correlation analysis,

and pattern recognition. With today's announcement, IonQ is streamlining these capabilities into a compact form factor that can be easily deployed across existing data center infrastructures.

- IonQ Tempo enables commercial advantage capabilities for the most demanding use cases: IonQ has revealed for the first time new details of its highly anticipated #AQ 64 enterprise-grade system, IonQ Tempo. Tempo is anticipated to be a commercial advantage system capable of delivering substantial business value for today's use cases. An #AQ 64-based Tempo system would far exceed what can be simulated with classical computers and GPUs, and provide a computational space 536 million times larger than even IonQ Forte Enterprise, an astonishing leap in computational power.
- IonQ's technical roadmap update: IonQ also provided an overview of its technical roadmap, showcasing how the company will meet its business and technical goals outlined in the most recent **Q2 FY23** earnings call. More details will be released during a subsequent October **webinar**.

"Today's quantum capabilities are often limited by system accessibility and inaccuracy at scale. With Tempo and Forte Enterprise, IonQ is signaling to our partners that quantum technology can work hand-in-hand with existing data center hardware, and will lead to commercial advantage within a two-year time frame," said Peter Chapman, CEO and President of IonQ. "We are fast approaching the point where quantum computers will become the default toolset for tackling the world's most challenging problems. IonQ is leading the charge in making sure our systems are available so enterprise companies can prepare for that moment now."

Today's announcements follow another year of business and technical success for IonQ. In August, the company announced it had signed contracts to sell future systems to Switzerland-based **QuantumBasel** with the goal of establishing a European quantum data center. Additionally, the company announced research projects and results with a number of global partners, from developing the **world's first quantum cognition models**, to laying the foundation for solving **Monte Carlo simulations**, and even developing the precursors to a **future quantum network**.

To learn more about how you can get started on an IonQ system today, please contact us directly at: **https://ionq.com/get-access**.

About IonQ

IonQ, Inc. is a leader in quantum computing, with a proven track record of innovation and deployment. IonQ's current generation quantum computer, IonQ Forte, is the latest in a line of cutting-edge systems, boasting an industry-leading 29 algorithmic qubits. Along with record performance, IonQ has defined what it believes is the best path forward to scale.

IonQ is the only company with its quantum systems available through the cloud on Amazon Braket, Microsoft Azure

and Google Cloud, as well as through direct API access. IonQ was founded in 2015 by Christopher Monroe and Jungsang Kim based on 25 years of pioneering research. To learn more, visit **www.ionq.com**.

IonQ Forward-Looking Statements

This press release contains certain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended. Some of the forward-looking statements can be identified by the use of forward-looking words. Statements that are not historical in nature, including the words “anticipate,” “expect,” “suggests,” “plan,” “believe,” “intend,” “estimates,” “targets,” “projects,” “should,” “could,” “would,” “may,” “will,” “forecast” and other similar expressions are intended to identify forward-looking statements. These statements include those related to: the capabilities of Tempo and Forte Enterprise; the ability for third parties to implement IonQ’s offerings to increase their quantum computing capabilities; the applicability of IonQ’s quantum computing offerings to multiple use cases; IonQ’s quantum computing capabilities and plans; access to IonQ’s quantum computers; the ability to test and execute quantum algorithms on IonQ’s quantum computers; the opportunity to test and optimize novel quantum-enhanced algorithms for computational challenges on IonQ’s quantum computers; the accuracy of quantum algorithms run on IonQ’s quantum computers; and the problems that can be solved by IonQ’s quantum computers. Forward-looking statements are predictions, projections and other statements about future events that are based on current expectations and assumptions and, as a result, are subject to risks and uncertainties. Many factors could cause actual future events to differ materially from the forward-looking statements in this press release, including but not limited to: market adoption of quantum computing solutions and IonQ’s products, services and solutions; the ability of IonQ to protect its intellectual property; changes in the competitive industries in which IonQ operates; changes in laws and regulations affecting IonQ’s business; IonQ’s ability to implement its business plans, forecasts and other expectations, and identify and realize additional partnerships and opportunities; and the risk of downturns in the market and the technology industry including, but not limited to, as a result of the COVID-19 pandemic and/or increased inflationary pressures. The foregoing list of factors is not exhaustive. You should carefully consider the foregoing factors and the other risks and uncertainties described in the “Risk Factors” section of IonQ’s most recent Quarterly Report on Form 10-Q, and other documents filed by IonQ from time to time with the Securities and Exchange Commission. These filings identify and address other important risks and uncertainties that could cause actual events and results to differ materially from those contained in the forward-looking statements. Forward-looking statements speak only as of the date they are made. Readers are cautioned not to put undue reliance on forward-looking statements, and IonQ assumes no obligation and does not intend to update or revise these forward-looking statements, whether as a result of new information, future events, or otherwise. IonQ does not give any assurance that it will achieve its expectations.

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