

Contacts:

Andrew Hammond
MagiQ Technologies, Inc.
617/ 661-3338

Anthony Citrano
fama PR
617/ 758-4140

MagiQ Technologies and Cavium Networks Partner to Raise Security Bar by Incorporating NITROX Security Processors into MagiQ's Next Generation Quantum Cryptography Devices

Companies Will Work Jointly on Quantum Physics-based Security Technology

NEW YORK, NY - FEBRUARY 7, 2005 – MagiQ Technologies, Inc., the quantum information processing (QIP) company, today announced that it will integrate high-performance security processors from Cavium Networks, the cost and performance leader in content and security processing, into its next-generation quantum cryptography products. The combination of MagiQ's leadership in quantum key distribution (QKD) and Cavium Networks' expertise in high speed network security processors will yield more functional and cost effective network security products. The collaboration will provide MagiQ customers with a major advantage over traditional cryptographic products by delivering provably unbreakable encryption based on the laws of physics.

In the first phase, MagiQ will include Cavium's NITROX security processors with specialized features for quantum encryption devices. The NITROX security processor family is the fastest in the world with the widest functionality. The product family has a very rich feature set that includes support for a broad range of symmetric encryption including DES, 3DES, AES (all modes up to 256 bit), CCMP and ARC4, as well as asymmetric encryption including RSA and Diffie Hellman. NITROX processors offload complete packet and protocol processing for IPsec, SSL and WLAN security. The processors will be used for the data encryption portion of MagiQ's quantum encryption network. The company will promote quantum encryption solutions to its customers through its sales teams and will market its products to corporate and government prospects with a need for future-proof encryption.

"The combination of our quantum encryption expertise and Cavium's security processing strength will provide a practical and cost-effective solution for customers," said Bob Gelfond, CEO of MagiQ Technologies. "The combination of quantum cryptography layered over a high speed, industry standard IPsec based VPN will accelerate the adoption of our solutions by customers.

In phase two, MagiQ will create a reference design for quantum cryptography devices using MagiQ's QKD layer and Cavium Networks' encryption layer. This design will be targeted at OEMs and will enable vendors to package and deliver a full end user quantum encryption solution.

In phase three MagiQ will work with vendors and government agencies to focus on IPsec and Internet Key Exchange standards to drive the widespread adoption of quantum cryptography. The company will also conduct research and development on next-generation implementations of quantum cryptography on wide area networks (WANs).

“Cavium Networks is a world leader in security and content processing. We are continually looking at opportunities to proliferate our high performing, scalable and flexible technology into cutting-edge applications such as quantum cryptography products,” said Rajiv Khemani, Cavium Networks’ vice president of marketing. “We are pleased that our partnership with MagiQ has enabled world-class encryption solutions based on quantum cryptography such as the MagiQ QPN.”

MagiQ’s QPN 5505, the world’s first commercially available quantum key distribution (QKD) system, relies on the laws of physics rather than the computational difficulty of breaking keys, and is easily integrated into existing digital computing infrastructures. MagiQ’s QKD system incorporates real-time key generation with quantum distribution for absolute certainty in detecting compromised keys. The system offers cost-effective protection from both internal threats such as disgruntled employees and external threats including corporate, government, and other sources of exposure. The system supports secure key exchange at distances up to 120 km, a major technical accomplishment that makes very long secure spans possible via cascading devices.

About MagiQ Technologies, Inc.

MagiQ Technologies (www.magiqtech.com) is *the* quantum information processing (QIP) company. Through its unique blend of science, business and engineering expertise, the Company is the first to commercialize the advancements in quantum information to benefit forward-looking organizations seeking competitive advantage through technology. Founded in 1999, MagiQ is a privately-held company headquartered in New York City with research & development laboratories in Somerville, Mass.

About Cavium Networks

Cavium Networks is a worldwide leader in security, network services and content processing semiconductor solutions. Cavium Networks' award-winning NITROX and MIPS64-based OCTEON families of processors and accelerator boards offer flexible, scalable and highly-integrated solutions delivering 50Mbps to 10Gbps performance. The company's products are integrated into a wide range of networking equipment that include routers, gateways, network appliances, content switches, wireless LAN access/aggregation points, servers and storage networking devices. Cavium Networks is headquartered in the heart of Silicon Valley in Santa Clara, CA with development centers in Marlboro, MA and Hyderabad, India. For more information, please visit: <http://www.cavium.com>

#

MagiQ and MagiQ QPN 5505 are trademarks of MagiQ Technologies, Inc.