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Pico Computing Unveiling a Pair of Cyber Security Solutions at Black Hat USA 2013

Password Recovery and Secure Data Transfer Benefit from Innovative Hardware Acceleration

Seattle, WA - February 27, 2013 - Pico Computing, the technology leader in hardware-based acceleration, will be demonstrating breakthrough applications in password recovery and real time encryption at Black Hat USA 2013-the premier cyber security conference.

In the first application, the company has partnered with ElcomSoft, whose suite of password recovery tools allows corporate, government, and law enforcement organizations to decrypt files, documents, and other password-protected objects and devices. Pico Computing's Windows/PCIe-based solution, hosting ElcomSoft's front end, provides FPGA-driven hardware-accelerated password recovery at nearly 3X the throughput of GPU- based solutions, and in one quarter of the computing footprint while consuming considerably less power.

Elcomsoft CEO Vladimir Katalov observes, "Pico Computing has delivered the first truly scalable solution designed specifically for password recovery, which enables it to provide significantly superior performance over GPU-based architectures. This is precisely why government, intelligence, military, and law enforcement agencies are adopting Pico Computing's FPGA-based systems, and why we're delighted to be partnered with them in this groundbreaking application."

Pico Computing will also be presenting its FIPS 140-2-compliant inline encryption/decryption solution, demonstrating FPGA-driven throughput of up to 40 gigabits/second. Supporting applications that require the secure transfer of large amounts of data, it automatically encrypts the outgoing data stream in real time without the need for intervening steps or software operations. Unlike routers that encrypt data in software, Pico Computing's solution performs the task via inline hardware to provide orders of magnitude improvements in performance and with greater security than software-based encryption can offer. On the receiving end is an inline decryption module.

The two applications to be demonstrated at Black Hat are based on Pico Computing's M-505 module, each mounted on an application-optimized carrier board. See them both at Caesar's Palace, July 31 - August 1, 2013 in Las Vegas, Nevada, booth #530.

About Pico Computing

Pico Computing is the technology leader in high-performance computing. Our modular, highly scalable HPC and embedded systems solve the biggest of the big data computing challenges-from the edge to the data center to the desktop. Whether targeted to PCI Express-based HPC or standalone embedded applications, Pico Computing's massively-scalable architecture, built upon Field Programmable Gate Array (FPGA) technologies, brings orders-of-magnitude performance gains, greatly reduced energy costs, the industry's smallest form factors, and simplified application design. To learn more about Pico Computing, visit www.picocomputing.com

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