

FOR IMMEDIATE RELEASE

Allegro Expands Integrated Embedded Device Security Suite With RomCert™

Automated Certificate Management for Embedded Systems

SAN FRANCISCO, CA and BOXBOROUGH, MA – February 27, 2012 – Allegro, a leading supplier of Internet software for embedded devices, today at the RSA® Conference 2012 in San Francisco, CA, announced the addition of RomCert, a new integrated embedded software solution to automate the management of security certificates in embedded systems. RomCert is a platform independent implementation of the Online Certificate Status Protocol (OCSP) and the Simple Certificate Enrollment Protocol (SCEP) that makes embedding security certificate management into resource sensitive embedded systems and consumer electronics fast, easy and reliable, while decreasing time to market.

Embedded Device Security

The proliferation of embedded network enabled devices as reported by many industry analysts is astounding. Billions of devices now have the capability to communicate on their own to retrieve the latest application data and firmware updates across the Internet. Parks Associates has stated “Sales of connected devices will outnumber PCs on the Internet by 5 to 1 in the next 3 years”. Regardless of location, at home or the enterprise, each of these network enabled devices (printers, health appliances, network routers and switches, and more) are now potential targets for malicious intent. The important and unprecedented need for secure communications has never been higher. Public Key Infrastructure (PKI) and certificate-based authentication play an integral role in securing and administering networked devices and services on the Internet today. PKI is widely deployed and many wireless and wired technologies depend upon it, including WiMax, 802.11i, SSL, SSH, DTCP-IP, WiFi, 3G and more. As an example, in many cases PKI and certificates ensure networks and services are being accessed by assigned users and devices in addition to properly administering privileges. In real world situations, certificates need to be updated to maintain integrity of security policies as roles and operating environments change. Manually updating certificates, especially on remote network devices is error-prone, inefficient and simply can not scale with the rapid growth of network enabled embedded devices in our high-tech environments.

RomCert is specifically engineered for resource sensitive embedded devices such as consumer electronics, dedicated healthcare products, energy and Smart Grid devices, military applications, and enterprise network management and control products. As with all Allegro Integrated Embedded Device Security products, RomCert is hardware architecture, RTOS, and TCP/IP stack agnostic and automates certificate management in your embedded design. Offered as an option for Allegro's RomPager Secure and RomWebClient Secure SSL/TLS embedded solutions, RomCert can communicate with most any Certificate Authority (CA) via HTTP to request certificates, renew certificates and pull down Certificate Revocation Lists (CRL) that have been issued.

“Remote device management is one of the core principles behind the creation of our RomPager® Suite of products at Allegro” says Bob Van Andel, President of Allegro. “Expanding our existing Embedded Device Security suite of solutions with the ease of RomCert's automated certificate management capabilities is a natural product progression and provides additional capabilities to decrease time to market for our customers worldwide.”

RomCert is delivered as an ANSI-C source toolkit and is available for immediate delivery. Stop by Allegro's booth at the RSA Conference 2012, Booth #240 to discuss embedded device security and your product designs.

About Allegro

Allegro Software Development Corporation is a premier provider of embedded Internet solutions with an emphasis on device management and security and UPnP-DLNA networking technologies. Since 1996, Allegro has been a force in the evolution of device management solutions with its RomPager embedded web server toolkit. Also an active contributor to UPnP and DLNA initiatives, Allegro supplies a range of UPnP and DLNA toolkits that offer portability, easy integration and full compliance with UPnP and DLNA specifications. Allegro is headquartered in Boxborough, MA.

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