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Intertrust Technologies Integrates Advanced Security Cores from Rambus Cryptography Research Division to Protect Digital Content Delivery to Consumer Devices

CryptoFirewall™ core enhances ExpressPlay™ and gives content providers access to higher levels of security

SUNNYVALE, Calif.--(BUSINESS WIRE)-- [Rambus Inc.](#) (NASDAQ:RMBS) today announced that [Intertrust® Technologies Corporation](#), a leading provider of trusted computing technologies, will integrate its CryptoFirewall™ advanced hardware security cores with ExpressPlay™ cloud service. This integration enables Intertrust to provide content distributors with an unprecedented level of hardware security in compatible consumer devices. Smart 4K UHD TVs are the first target devices for this integrated security solution.

"Security risks are pervasive, so it's important to have an extremely robust and highly flexible security solution to protect digital rights," said Talal Shamoon, CEO at Intertrust Technologies. "The technologies developed by the Cryptography Research team have an excellent reputation for securing content, and the CryptoFirewall core complements and reinforces our full range of cloud-based security solutions."

"As a leading digital TV software-based solution, Intertrust's ExpressPlay is providing an important layer of the overall security platform," said Paul Kocher, president and chief scientist of the Rambus Cryptography Research division. "By integrating our hardware cores with Marlin DRM, this solution can provide a robust, flexible, and cost-effective foundation to more effectively protect content and services from theft."

The CryptoFirewall core, developed by Cryptography Research, is a self-contained ASIC security core that provides an ultra-secure hardware key engine for content protection applications. The core is integrated directly into leading SoCs used in TVs, set-top boxes, and other devices, and provides 'smart card within a chip' level end-point security. The core is designed to protect cryptographic keys and computations within a chip even if surrounding components are compromised.

The CryptoFirewall core complements Marlin DRM and helps content distributors meet MovieLab's Enhanced Content Protection specifications for hardware root of trust. Intertrust jointly developed the specifications for the open standard Marlin DRM system for consumer devices and services with Samsung, Sony, Panasonic and Philips. Marlin offers sophisticated copyright management for playing media content distributed over mobile, broadband, broadcast and other distribution channels. Marlin seamlessly ports licensed content across devices and services in a consumer's home or personal domain and supports a large and flexible set of business models for content distribution. Marlin is deployed worldwide and is currently one of the fastest growing DRM technologies in China.

Intertrust also operates ExpressPlay, a highly scalable cloud service for content protection. The [ExpressPlay service](#) provides a complete, ready-to-go Marlin DRM system with a cloud service to easily manage content protection usage, and tools to integrate Marlin into devices and distribution platforms. ExpressPlay DRM supports many video formats including MPEG-DASH HLS, Smooth, and MP4. These standards are important for reducing the cost of video distribution and work with an increasing number of smart TV devices running apps that combine broadcast TV content with the best of Internet content. Intertrust operates ExpressPlay services in China and worldwide.

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About Cryptography Research

The Rambus Cryptography Research division specializes in embedded security solutions. Our innovative technologies include tamper resistance, content protection, network security, payment and transaction services. Eight billion security products are made annually with our security technology, and systems designed by our scientists and engineers protect hundreds of billions of dollars in revenues every year. Additional information is available at [cryptography.com](#).

About Intertrust Technologies Corporation

Intertrust invents, develops, and delivers technologies for trusted computing among leading global corporations from mobile and CE manufacturers and service providers, to enterprise software platform companies. Intertrust and its subsidiaries are also developing new trust services for vertical markets related to consumer privacy, Internet processing of DNA data, and smart grids. Intertrust also actively creates and invests in ventures that extend its market vision. Current and former portfolio companies include [Personagraph](#), [Kabuto](#), [whiteCryption](#), [SyncTV](#), [Nest Labs](#), [Kiora](#), and [Planet OS](#).

Founded in 1990 on a revolutionary vision to bring trust to operating systems and open networks, Intertrust is based in Silicon Valley, with regional offices in London and Beijing. The Company has a legacy of invention, and its fundamental contributions in the areas of computer security and digital trust are globally recognized. Intertrust holds hundreds of patents that are key to Internet security, trust, and privacy management components of operating systems, trusted mobile code and networked operating environments, web services, and cloud computing. Additional information is available at intertrust.com, or follow us on [Twitter](#) or [LinkedIn](#).

Note Regarding Forward-Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995 as amended, including statements regarding the expected integration of CryptoFirewall™ advanced hardware security cores with ExpressPlay™ cloud service. These forward-looking statements are based on current expectations, estimates, assumptions and projections that are subject to change. Actual results may differ materially from the forward-looking statements due to a variety of factors including, but not limited to, risks and uncertainties described from time to time in Rambus's annual report on Form 10-K, quarterly reports on Forms 10-Q and other periodic filings with the Securities and Exchange Commission. All forward-looking statements are made as of the date of this press release and Rambus does not undertake to update any forward-looking statements based on new developments or changes in expectations.

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