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## **MINDSPEED® INTEGRATES ELLIPTIC'S GIGABIT PER SECOND IPSEC ENGINE IN NEW COMCERTO® 1000 FAMILY OF PROCESSORS**

**OTTAWA, Canada, April 16, 2009** – Elliptic Semiconductor, a leading supplier of security intellectual property (IP) and Mindspeed Technologies, Inc. (NASDAQ: [MSPD](#)), a leading supplier of semiconductor solutions for network infrastructure applications, today announced that Mindspeed has selected Elliptic's Gigabit per second internet protocol security (IPSec) engine for use in its new low-power, Comcerto 1000 system-on-chip (SoC) processor. Working very closely over an eighteen month period, Mindspeed and Elliptic engineers were able to build a high-performance solution at cost points targeting triple play broadband home gateways, small office/home office (SOHO) and small- and medium-sized enterprise (SME) virtual private network (VPN) routers. This breakthrough product is available for immediate sampling from Mindspeed.

The Comcerto 1000 incorporates several powerful hardware offload engines from Elliptic, including a gigabit wire rate IPSec engine and symmetric encryption engines capable of accelerating transport layer security/secure socket layer (TLS/SSL), WiMAX, secure real-time transport protocol (SRTP) and third generation partnership project (3GPP) security. The Comcerto1000 also includes a high-performance public key acceleration (PKA) engine capable of accelerating Rivest, Shamir and Adleman (RSA) and Elliptic Curve Cryptography (ECC) calculations, together with a true random number generator (TRNG).

The overall solution found in the Comcerto 1000 represents one of the most powerful solution in its class – dramatically outperforming solutions offered by competitors.

”The Comcerto 1000 combines Mindspeed’s field-proven SoC multicore architecture based on ARM® processor technology and Elliptic’s state-of-the-art security engines to deliver scalable VPN performance from 100 Mbps to full-duplex 1 Gbps symmetric IPSec,” said Marco Bello, director of marketing and product management for Mindspeed’s enterprise and customer premise equipment. “The Comcerto 1000 family of pin-compatible processors provides best-in-class performance, power and cost profile allowing customers to meet various product requirements across low-, mid- and high-end market ranges.”

Commenting on the announcement, Richard White, CEO of Elliptic said: “Mindspeed and Elliptic collaborated closely on the Comcerto 1000 security engine to ensure that the teams met both the performance goal, as well as the cost objectives dictated by the target markets. Elliptic licensed Mindspeed an array of powerful security engines and in particular, adapted our IPsec engine to mesh with the Comcerto 1000 processor and memory architecture. I believe the final solution is by far the leading price/performance security design available in gateway applications.”

### **About Mindspeed Technologies®**

Mindspeed Technologies, Inc. designs, develops and sells semiconductor networking solutions for communications applications in enterprise, access, metropolitan and wide-area networks.

The company's three key product families include high-performance analog transmission and switching solutions, multiservice access voice-over-IP processors designed to support voice and data services across wireline and wireless networks and WAN communication products such as T/E carrier transmission devices and ATM/MPLS network processors.

Mindspeed's products are used in a wide variety of network infrastructure equipment, including voice and media gateways, high-speed routers, switches, access multiplexers, cross-connect systems, add-drop multiplexers and digital loop carrier equipment.

To learn more, visit [www.mindspeed.com](http://www.mindspeed.com).

## **About Elliptic Technologies**

Ranked as the fastest growing provider of security semiconductor IP by Gartner, Elliptic Technologies licenses semiconductor intellectual property (IP) cores and software for secure communications ranging from low power to multi-gigabit per second implementations.

Elliptic IP cores enable system-on-chip designers to efficiently balance power, performance and silicon area in complex security-based systems.

The Ellipsys Security Architecture offers a complete set of symmetric and asymmetric security algorithms, digital rights management solutions and secure boot capabilities through a cohesive software architecture targeted specifically at embedded systems.

Elliptic is certified under the ISO-9001:2000 quality standard and the NIST Cryptographic Algorithm Validation Program (CAVP). Demanding customers in markets such as wireless, storage, content distribution, implantable medical devices and high performance communications trust Elliptic IP cores. The company was founded in 2001 and has customers in the United States, Israel, Japan, China, Taiwan, Korea, Malaysia, Europe and Canada. For more information please visit [www.elliptictech.com](http://www.elliptictech.com).

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# Press Release

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