

Elliptic Semiconductor Announces TCP/IP and Security Products Addressing the Burgeoning Broadband Wireless Market

June 12, 2003 – Ottawa, Canada. Elliptic Semiconductor announced that the Elliptic Low Power (ELP) family of semiconductor IP products is now available for volume licensing. The ELP products are targeted at wireless devices such as Wi-Fi, cell phones, PDAs, Pocket PCs and Subnotebook computers. They offer broadband wireless protocol and security termination with extremely low power dissipation. This allows integrated circuit designs to achieve greatly improved battery life and offer features such as streaming video, gaming, instant messaging and MP-3 music.

The company is also releasing a family of security modules that are the building blocks of the ELP family. The building blocks allow customers to address a broad range of security requirements in applications as diverse as WLAN, Smart Cards, Set-Top boxes and web appliances.

“The combination of low power, security and broadband wireless is very compelling to our customer base,” said Gord Harling President and CEO of Elliptic Semiconductor. “End users demand instant access to their data and associated applications anywhere, anytime. This has made life very challenging for IC designers and we are offering them a complete suite of products to fulfill this critical need.”

The ELP product line consists of three components that offer an encapsulated solution consisting of protocol termination and/or security such as SSL and IPsec. The products include a TCP/IP protocol processor (ELP-01), the TCP/IP processor with secure sockets layer (SSL) security support (ELP-10) and the TCP/IP processor with both SSL and IETF standardized security – IPsec (ELP-11). Running both protocol termination and security at 54Mbps, the products consume only 16 mW of power – a saving of in excess to 200 mW when compared to embedded processors running these applications in software.

Based on customer interest, the security modules used to create the ELP products are also being released. The CLP product line consists of eight different modules and includes such fundamental security blocks as an AES (Advanced Encryption Standard) core, an MD5 and SHA-1 authentication block up to a complete IPsec packet processor subsystem. Customers can mix and match these building blocks to address a wide variety of applications requiring security, authentication and key exchange mechanisms that have been proven in standards such as SSL and IPsec.

The license fees for the ELP cores range from US\$40,000 to US\$400,000 and the CLP license fees run from US\$30,000 for a single cipher function up to US\$60,000 for an IPsec packet processor.

About Elliptic Semiconductor

Headquartered in Ottawa, Elliptic Semiconductor Inc (www.ellipticsemi.com) provides semiconductor products for low power designs of packet offload and security processing for wireless and handheld devices. The products offload the host processor and greatly reduce the power required for data transmission in 802.11, Ultra-wideband, Bluetooth, W-CDMA, CDMA-2000, EDGE and many other wireless data services. Working in the most advanced semiconductor processes, Elliptic Semiconductor will become the leading player in the emerging semiconductor intellectual property market.

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