



Products



BCM5850 SSL/TLS Record Layer Protocol Processor

The Broadcom BCM5850 is a breakthrough chip that delivers new levels of SSL/TLS processing performance to secure web servers, proxy servers, and high-speed networking equipment that process SSL/TLS encrypted data. Designed to work in conjunction with the BCM 582x family of PCI Security Processors, the BCM5850 provides direct APIs to accelerate processing of industry standard, compute intensive protocol operations:

- SinglePass record processing
- Session key derivation
- Finished message processing
- Client certificate verification

The BCM5850 software APIs provide software compatibility with Broadcom's BCM582x Public Key Processing ICs. In addition to unlocking additional performance improvements in SSL/TLS Web Servers and Proxy Servers that offload public key operations using the BCM582x chips, the BCM5850 allows rapid development and deployment of complete systems utilizing OpenSSL through the use of the Broadcom supplied Software Reference Library (SRL) and OpenSSL patches for the BCM5850 APIs.

Features

- World's fastest SSL/TLS record processing
- Advanced protocol processing
- ETF and FIPS compatible algorithms

"Broadcom's production-ready GSM handset design, with silicon and firmware, dramatically improved our ability to produce an advanced smartphone that satisfies the critical demands of our carrier partners and customers alike. The ability to pack so much functionality into a very small mobile device is a significant achievement and can be attributed in part to our close partnership with Broadcom."

Calin Pacurariu, Director of GSM Products.
Handspring

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