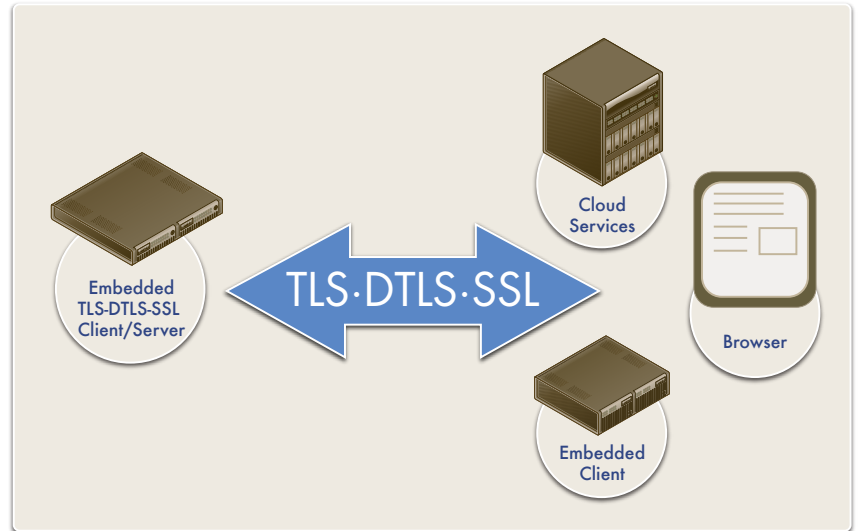


RomSTL Benefits

- Standards based, full featured, RFC compliant TLS/DTLS/SSL Client and Server
- Dramatically speeds integration and testing of TLS/DTLS/SSL functionality
- Full IPv6 and dual mode IPv4/IPv6 operation
- GPL-Free
- Pre-Integrated with the RomPager AE Suite of products
- Small RAM/ROM footprint
- Highly portable via field proven abstraction layer (Hardware, RTOS and TCP/IP stack)
- Delivered as standard ANSI-C source code
- Interface files for leading RTOS vendors provided
- DTLS support (RFC 6347)
- FIPS 140-2 validated cryptography
- Suite B support (RFC 6460)



Embedded device security is always a concern when building a networked embedded device. Allegro's RomSTL is a small, resource sensitive TLS/DTLS/SSL client and server solution specifically written for use in embedded systems. RomSTL is standards based, hardware and software platform agnostic, and written from the ground up for efficient use of Allegro's FIPS 140-2 cryptography. RomSTL supports the latest RFCs for TLS 1.2 and SSL 3.0 using Suite B crypto algorithms. The full suite of *Advanced Edition* products support IPv6 and dual mode IPv4/IPv6 operation to meet your embedded device development needs.

RomSTL

RomSTL is a small, resource sensitive TLS/DTLS/SSL client and server solution specifically engineered for rigors of embedded computing. Pre-integrated with the full suite of RomPager AE products, RomSTL makes it easy to enable TLS/DTLS/SSL in your embedded designs quickly, easily, while reducing risk. RomSTL supports the latest RFC standards for SSL 3.0, TLS 1.0, TLS 1.1, and TLS 1.2 secure server and client sessions. The encryption protocols interoperate with any secure browser or server and include RSA, RC4, DES, 3DES, SHA, AES, and optional Suite B algorithms. Additionally, RomSTL is tightly integrated with RomCert, an embedded implementation of Online Certificate Status Protocol (OCSP) and 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. With the included libraries and certificate services your engineering team can easily build embedded devices that can participate in secure communications. RomSTL is delivered as standard ANSI-C source and built upon a highly portable and field proven abstraction layer enabling it to work with any RTOS or TCP/IP stack.