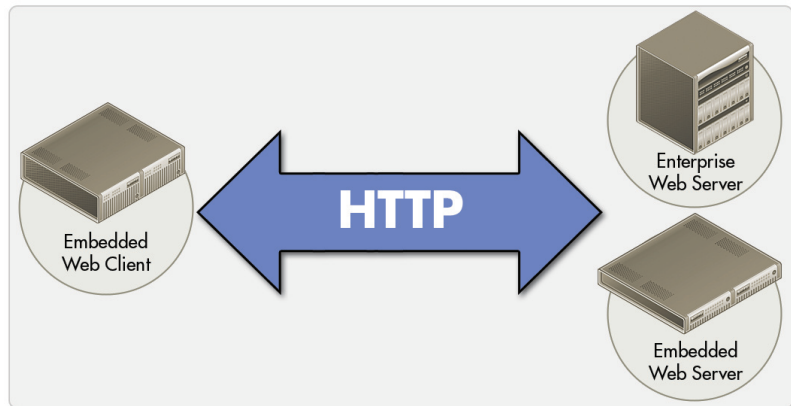


RomWebClient™

Flexible Embedded Web Client Toolkits

RomWebClient Benefits

- Choice of toolkits to match your development needs
- Send and Receive HTTP objects in any format
- HTTP 1.0 (RFC 1945) and HTTP 1.1 (RFC 2616) compliant
- Supports HTTP methods GET, POST, HEAD, PUT, OPTIONS and TRACE
- Direct and Proxy server requests supported
- HTTP 1.0 and HTTP 1.1 persistent connections supported
- Support for Basic and Digest authentication (RFC 2617)
- Object caching, pipelined request, proxy authentication, large object streaming and HTTP cookie support is available with RomWebClient Advanced
- Optional SSL 3.0 and TLS 1.0 are available via RomWebClient Secure
- Highly portable via field proven abstraction layer (Hardware, RTOS and TCP/IP stack)
- Interface files for leading RTOS vendors provided
- ANSI-C source distribution
- Compilation switches for size and speed trade-offs



Allegro's RomWebClient toolkits (Standard, Advanced and Secure) allow your engineering team to leverage proven Web technology in your networked embedded designs. The RomWebClient suite of products offer the ability to build embedded devices that send and receive objects to and from any Web server using HTTP with the option of SSL 3.0 and TLS 1.0 security. By utilizing RomWebClient technology your embedded device can download configuration files, retrieve software updates, retrieve "print-by-reference" documents or send status notifications to a remote sever.

RomWebClient Standard

The RomWebClient Standard toolkit enables your embedded device to fully support HTTP 1.0/1.1 for sending and receiving HTTP objects in any format with any Web server. MIME definitions for all standard MIME object types are provided in addition to allowing support for non-standard MIME types. HTTP objects can be sent or received from memory or an optional file system. Both HTTP direct requests and proxy server requests are supported. For authentication, HTTP Basic and Digest methods are provided and are compliant with RFC 2617. Delivered as ANSI-C source code the toolkit is built upon a highly portable and field proven abstraction layer enabling it to work with any OS or TCP/IP stack.

RomWebClient Advanced

The RomWebClient Advanced toolkit builds upon the functionality of the Basic toolkit by adding built-in caching support, pipelined request support, proxy authentication support, large object data streaming support and HTTP cookies support.

RomWebClient Secure

The RomWebClient Secure toolkit adds support for SSL 3.0 and TLS 1.0 encryption protocols to RomWebClient Standard and Advanced. With the included cryptography libraries and certificate services your engineering team can easily build embedded devices that can participate in secure communications with any secure Web server.

Fully Integrated with RomXML

The RomWebClient toolkits include support for integrated retrieval and transmission of XML objects when used in conjunction with the RomXML toolkit. This allows your design team to create devices that initiate XML-based request/response protocols such as the Simple Object Access Protocol (SOAP) making them easier to integrate with enterprise information systems.

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