



Embedded Security for Devices

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<http://www.yassl.com>
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CyaSSL Embedded SSL Library

What is it?

- C-language based SSL Library
- Targeted at embedded and RTOS environments
- Focused on size and speed optimization
- Supports all industry standards
- *Up to 20 Times smaller than OpenSSL*

CyaSSL Embedded SSL Library

Features

- Standards up to TLS 1.2
- Minimum size of 30-100kb
- Web server integration (Lighttpd, Mongoose, GoAhead)
- OpenSSL Compatibility Layer
- Intel AES-NI Support

CyaSSL Embedded SSL Library

Algorithms

MD2, MD4, MD5, SHA-1, SHA-2, RIPEMD	-----	Hashing Functions
DES, 3DES, AES, ARC4, RABBIT, HC-128	-----	Block and Stream Ciphers
RSA, DSS, DH, EDH	-----	Public Key Options
HMAC, PBKDF2	-----	Password-based Key Derivation

Supported Environments

Win32/64, Linux, Mac OS X, Solaris, ThreadX, VxWorks, FreeBSD, NetBSD, OpenBSD, embedded Linux, Haiku, OpenWRT, iPhone (iOS), Android, Nintendo Wii and Gamecube through DevKitPro, QNX, MontaVista, OpenCL, NonStop, Tron/itron/microitron, Micrium's uC OS, FreeRTOS

yaSSL Embedded Web Server

What is it?

- Based on the Mongoose Embedded Web Server
- Uses CyaSSL for SSL functionality built-in!
- Small size
- Based on customer needs
- *Embeddable with a simple, clean API*

yaSSL Embedded Web Server

Features

- Default size, with CyaSSL Enabled of less than **200kB**
- Embeddable size without SSL of **40kB**
- Source is a single .c file for simplicity
- Multiple operating environments supported
- CGI Support, Aliases, Resumed Downloads, IP Restrictions and much more

yaSSL Embedded Web Server

Supported Environments

Windows, Mac OS, Unix, ThreadX, VxWorks, QNX, OpenWRT, Tron, iTron, Microitron, OpenCL, MontaVista

License

- Commercial Support
- \$5,000 per product
- Royalty free

CyaSSL Java SSL Provider

What is it?

- Enables use of the CyaSSL library through **javax.net.ssl** package
- Gain speed and size advantages offered by CyaSSL
- Uses JNI between CyaSSL and Java

Available for Linux, Mac OS X, and Android.

Contact Us

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