

NexGenCRYPT

Embedded Crypto library

- **Fully written in ANSI C**
- **Derivated from OpenSSL**
(Thanks to Eric A. Young!)
- **Highly optimized (20 - 50 KB)**
- **Reentrant & Romable**
- **Small critial section**
- **Polling or RTOS mode**
- **No CPU/OS dependencies**
- **No compiler dependencies**
- **Fully tested**
- **Source code, royalty-free**

BUILT TO BE USED WITH SSL OR ALONE WITH YOUR OWN APPLICATION.

NexGenCRYPT supports the most popular ciphers including,

- Symetric ciphers: Blowfish, Cast, DES(3), Idea, RC2/RC4, AES128,
- Public Key Cryptography: DSA, DH, RSA,
- Certificates: X509,
- Hash: MD5, SHA1, SHA2.

NexGenCRYPT can be tuned to optimize both the ROM and RAM memory footprints.

ROCK SOLID TO PROTECT YOUR INVESTMENTS

NexGenCRYPT has been derivated from the widely used, OpenSSL project. Started early on 1999 by Eric A. Young, the project had a great audience and is now the code base of numerous commercial products. The code is solid and has been intensively tested on the field.

SIMPLIFY AND SPEED UP YOUR DESIGN

NexGenCRYPT offers embeded devices manufacturers a reliable and modern way to control and safely protect their embedded assetts.

PORTABILITY

NexGenCRYPT can be used either in polling or RTOS mode. It has been tested over the most popular RTOS including Nucleus, pSOS, VxWorks, Linux, DOS, Win32k, OS20/21, EmBOS, OSE, Neutrino, QNX4, RTC, RTKernel, RTX, µC/OS, and virtually any others RTOS.

SUPPORTED PROCESSORS & RTOS

Most of the 32 -64 bit processors are supported. x86, SH-series, ARM, 68K, Coldfire, ARC, M16/32C, C166, StrongARM, MIPS, ST20, ST40, DSP, PowerPC, 320C5416. A new port takes a couple of days to develop.

TECHNICAL SUPPORT

6 months free of charge. Extended annual support available. Specific development or porting are possible. Please call us.

LICENSING

Source code, per-projet, royalty-free

Optional protocols:

- IPv4/IPv6 dual stack
- NAT
- SNMPv1/2/3
- POP3/SMTP/IMAP4
- PPP v4/v6
- DHCP client & server
- FTP client & server
- SSL
- HTTP Client & Server
- RTP/RTSP

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