

NexGenPPP

Embedded Point to Point Protocol

- Fully written in ANSI C
- Highly optimized (10-20 KB)
- Reentrant & Romable
- Small critical section
- RTOS open interface
- Client & Server
- PPPoE driver
- VJ compression
- Polling or RTOS mode
- No CPU/OS dependencies
- No compiler dependencies
- Fully tested
- Source code, royalty-free

BUILT FROM THE GROUND UP

NexGenPPP has been designed to be used with NexGenIP (v4 or the dual v4/v6 stack). It incorporates all the mandatory RFCs plus specific options like VJ compression. NexGenPPP has been intensively tested and qualified for inter-operating with other PPP stacks including those from UNIX and Windows.

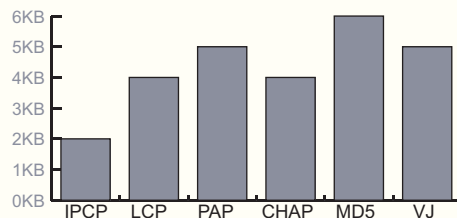
ARCHITECTURE

NexGenPPP is very carefully architected and supports the mandatory LCP/IPCP/PAP/CHAP protocols. In addition, Van-Jacobsson compression is supported. Many options can be configured at compile-time for offering a way to better control your application and optimise both the memory footprint and the behaviour.

SIMPLIFY AND SPEED UP YOUR DESIGN

NexGenPPP and NexGenIP offers embedded devices manufacturers a reliable and stable solution to get your devices connected to the internet using a serial-line/modem or Ethernet.

FOOTPRINT (ROM)



Optional protocols:

- HTTP client & server
- NAT
- SNMPv1/2/3
- POP3/SMTP/IMAP4
- Dual IPv4/IPv6
- DHCP client & server
- FTP client & server
- SSL
- RTP/RTSP

PORTABILITY

NexGenPPP over NexGenIP can be used either in polling or RTOS mode. It has been tested for the most popular RTOS including Nucleus, pSOS, VxWorks, Linux, DOS, Win32k, OS2X, EmbOS, OSE, Neutrino, QNX4, RTC, RTKernel, RTXC, µC/OS, and virtually any others RTOS.

SUPPORTED PROCESSORS & RTOS

Most of the 16-32 -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

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