

NexGenREMOTE

Networking utilities

- Fully written in ANSI C
- Optimized (3 - 8 KB)
- Reentrant & Romable
- Telnet (server)
- FTP client & server
- Fast and reliable
- Polling or RTOS mode
- No compiler dependencies
- Fully tested
- Source code, royalty-free

Optional protocols:

- NAPT
- SNMP v1/v2/v3
- Dual TCP/IP v4/v6
- RTP/RTSP
- PPPv6
- POP/SMTP
- FTP client & server
- SSL
- HTTP client & server

BUILT FROM THE GROUND UP

NexGenREMOTE was designed from the ground up to satisfy both embedded constraints and OEM specificities. It is compact, highly portable and can be easily configured to support various configurations.

ARCHITECTURE

The File Transfer Protocol is used over the Internet to download files from some FTP servers. It is also possible to upload files to the servers. In fact this transfer protocol can be used for remote management of a whole file tree. It can be used to browse into a directory tree (changing working directory) while maintaining it (making subdir, deleting others, etc.). As it goes through a login process, this protocol offers some possibility of user authentication and customization.

On an internal aspect, it uses TCP protocol to maintain reliable connections between client and server.

The purpose of the TELNET Protocol is to provide a fairly general, bi-directional, eight-bit byte oriented communications facility. Its primary goal is to allow a standard method of interfacing terminal devices and terminal-oriented processes to each other. Telnet is the way you can access someone else's computer, assuming they have given you permission.

A TELNET connection uses a TCP connection to transmit data..

PORTABILITY

NexGenREMOTE can be used either in polling or RTOS mode. All dependencies have been isolated in a porting layer called NexGenOS. By using a such architecture the stack is totally portable in few days.

NexGenOS includes a wrapper of the most popular RTOS including Nucleus, pSOS, VxWorks, Linux, DOS, Win32k, OS20/21, EmbOS, OSE, Neutrino, QNX4, RTC, RTKernel, RTXC, µC/OS, and virtually any others RTOS. There are also numerous Ethernet drivers included.

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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