

Turbo Treck PPP

product information

Included protocols:

LCP
IPCP
PAP
CHAP

Turbo Treck PPP incorporates the protocols that you need to get your device real-time connected to the Internet via modem or other serial link. It is designed to be used with Turbo Treck TCP/IP.

Runtime configuration

All of these PPP options can be set at runtime for either side of the connection.

- Address/control field compression.
- Protocol field compression.
- Magic number.
- Maximum receive unit.
- Asynchronous control character map.
- Authentication protocol.
- Maximum LCP Terminate requests.
- Maximum LCP Configure requests.
- LCP retransmission timeout.
- IPCP compression protocol.
- VanJacobson slots.
- IP address.
- Maximum IPCP configure requests.
- IPCP retransmission timeout.

PAP (Password Authentication Protocol) Support

- Both client and server support.
- Username option for PAP client.
- Password option for PAP client.
- Call back function support for PAP server to determine if username/password are correct.

CHAP Support (Challenge Handshake Authentication Protocol)

- Both client and server support
- Username option for CHAP client
- Secret option for CHAP client.
- Option for maximum number of CHAP challenges to send
- Option for CHAP challenge timeout length in seconds.
- Call back function support for CHAP server to return the corresponding secret for a username back to the stack

Requirements to Use Turbo Treck PPP in Your Design

- Any ANSI compliant "C" compiler.
- Any CISC/RISC processor.
- A serial device.
- Turbo Treck TCP/IP

Other features

- Fully tested and qualified against various PPP stacks. Test systems include UNIX and Windows NT.
- All options are settable at runtime.
- Simultaneous/Multiple PPP clients & servers supported.
- RFC compliant.
- Easy to integrate to your hardware using our standard driver interface.
- High performance VJ compression.
- Magic number support.
- Both client and server side IP address assignment.
- No porting required. You will never need to change a single line of our source code of the protocol stack to integrate Turbo Treck PPP into your environment.
- Fully ANSI "C" compliant.
- Warning free Build (even with lint checking).
- Supports LQM



Mobile



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