# CoPPP-ML

## MultiLink PPP, PPP and BACP MultiProtocol Software Suite

## Product overview

CoPPP-ML is a portable, scaleable software implementation of the IETF-defined Point-to-Point Protocol (PPP), MultiLink PPP (ML-PPP) Protocol, Bandwidth Allocation Control Protocol (BAP/BACP) and related standards. Coded in ANSI 'C' for rapid portation to any environment, CoPPP-ML is based on a layered STREAMS multiplexor architecture that has been optimized for high bandwidth data throughput.

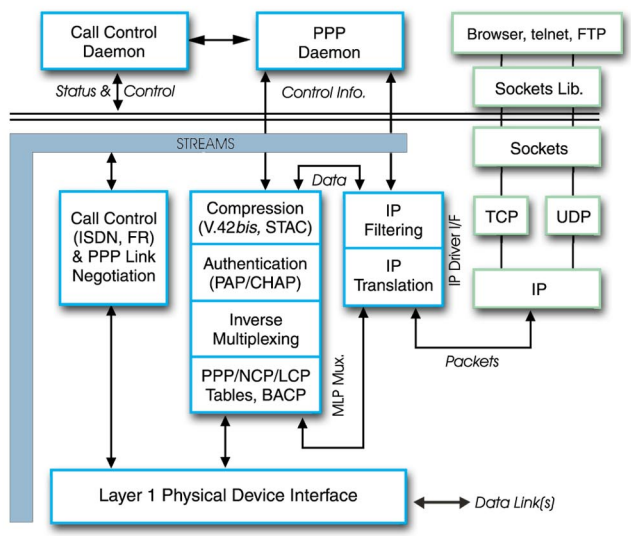
CoPPP-ML includes full-spectrum support for industry protocol definitions including:

- Point-to-Point (PPP) protocol, asynchronous and synchronous operation over multiple PPP links.
- Bandwidth-on-Demand, Dial-on-Demand with idle timer disconnect, Call Back Facility, Bandwidth Allocation Control Protocol (BAP/BACP).
- Dynamic IP Address Allocation, Van Jacobson TCP/IP Header Compression, IP Packet Filtering, IP services support (telnet,ftp, rlogin, mail, etc.).
- PAP/CHAP Authentication, V.42*bis* compression, and hooks for quick integration of STAC LZS.
- Scaleable PPP Multiplexor with PPP, NCP, LCP, IPCP, IPXCP, CCP, ECP, BCP and BACP engines.
- SNMP MIB II (storage of Managed Objects for PPP) support, LCP and IPCP.
- RFC Support (partial list, call for updates):
  - RFC 1321 (MD5 Message Digest Algorithm)
  - RFC 1332 (Internet Protocol Control - IPCP)
  - RFC 1333 (Link Quality Reporting-LQR)
  - RFC 1334/1994 (PPP Authentication), update to RFC 1994
  - RFC 1441 (TCP/IP Header Compression)
  - RFC 1471 (Managed Objects for LCP / PPP)
  - RFC 1473 (Managed Objects for IPCP / PPP)
  - RFC 1551 Novell IPX over various WAN Media
  - RFC 1552 (PPP Internetwork Packet Exchange Protocol)
  - RFC 1570 (PPP LCP Extensions with call-back support)
  - RFC 1661 (Point-to-Point Protocol) State Machine
  - RFC 1662 (PPP in HDLC framing)
  - RFC 1663 (Reliable Transmission)
  - RFC 1717/1990 (PPP MultiLink Protocol)
  - IETF Draft, PPP Compression Control Protocol (CCP)
  - IETF Draft, PPP Bandwidth Allocation Control Protocol
  - RFC 1968 ECP

CoPPP-ML is fully compatible with CoSystems CoISDN, CoVPN and CoFRelay protocol stacks, and is available in source and binary code formats for the following operating environments:

- Microsoft Windows 95/NT
- Sun Solaris (SPARC and x86)
- VxWORKS, pSOS, Nucleus (call for availability) and C-Exec
- x86, 68xxx and MPC860/8260 platforms.

CoPPP-ML supports processors, transceivers, framers, and developer reference platforms from many vendors including AMD, Artesyn, ATLAS, Cirrus Logic, Cologne, Dallas, Force, Intel, Level 1, Lucent, Motorola, Natural Microsystems, PMC Sierra, Siemens, SGS Thomson, Sun, T.sqware and Yamaha.





CoSystems Networking & Communication Technologies

1263 Oakmead Parkway, Sunnyvale, CA 94085, USA.
Ph: + 1 (408) 522 0500. Fax: + 1 (408) 720 9114.
www.cosystems.com