

HDLC LAPB

Synchronous Protocol Software

FABRIC & CONNECTIVITY DIVISION

Our HDLC LAPB synchronous protocol software is compatible with our synchronous multiport serial controllers.

Saturn Multiport Serial Controllers (PCI)



Galaxy Multiport Serial Controllers (SBus)



Vanguard Multiport Serial Controllers (CompactPCI)



Contact us to find out more about other compatible products.

- Compiled for Solaris 7 through 9 in 32-bit and 64-bit mode
- 1984 Net2 compliant
- Fully STREAMS compliant HDLC LAPB protocol driver
- Fully streams compliant SCOPED link monitoring driver
- Aurascope link monitoring application included
- Example application included to provide a model for developers
- Supports frame sizes up to 8192 bytes
- Supports up to 128 logical links

HDLC Software Components

- The HDLC driver is a Solaris STREAMS implementation of the HDLC LAPB link-layer protocol.
- Solaris physical device drivers handle the hardware that provide flag framing and bit insertion/bit deletion.
- SCOPED driver provides monitoring of the link by means of the included aura scope application

Link-Layer Protocol

- Link-layer protocol LAPB protocol (CCITT 1984)
- Mod 8/128 frame sequence numbering
- Configurable max retransmissions
- Configurable retransmission timer

Our HDLC LAPB product provides a Solaris LAPB driver and documentation that is suitable for the development of custom applications to communicate with a peer system via the LAPB protocol. This form of communication is particularly appropriate on point-to-point links that benefit from backwards error correction in addition to or in lieu of end-to-end backward error correction. Communications systems that use satellites often benefit from the use of LAPB (properly configured) on the satellite links. This product interfaces with most legacy systems that use LAPB communications.

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