



APS-HDLC – LAYER TWO DRIVER

HDLC software designed and tuned to perform

The Adax HDLC software provides complete HDLC/LAPB/LAPD layer 2 data communication control conforming to the CCITT/ITU and industry standards of layer two protocols. This includes frame formatting, transparency (so-called "bit stuffing") and error detection. Contained in the buffer management is an on-chip dual channel DMA engine with one channel for receive and one channel for transmit.

DLPI Support

Adax streams-based UNIX drivers support standard UNIX DLPI/LLI interface specification for lower layer drivers. This interface has been used successfully in the commercial data and telephony markets with much success and appreciation for ease of use and integration.

LAPB/LAPD/LAPV5/LAPF

Additional Adax streams software modules and APIs support the LAPB/LAPD/LAPV5/LAPF protocols (please refer to separate data sheet).

Integration Expertise

Adax adds a key ingredient no other company can match - expert technical services. Combined with Adax integrated software modules and hardware products, our technical expertise helps you build the highest performance foundations for your network. You can count on Adax to be there with you. No matter what changes may occur in operating systems, bus architectures, applications, or protocols, Adax has been and will continue to be your direct connection to the world

Operating Systems Support and Adax Protocol Controllers

All Adax products are available for PCI, cPCI and PMC architectures, supporting Linux and Solaris Operating Systems. VxWorks, HP-UX and IBM AIX are also supported for certain products.

The HDLC/LAPB/LAPD software operates with the following Adax products:

HDC High Density Channelized Controller for Multiple Protocols

ATM Controller for Real Time Voice and Video over AAL2; Signaling and IP over AAL5

ACT Channelized Controller for HDLC, LAPB/D, LAPV5 and Frame Relay

Adax Software

Adax Protocol Software (APS) is a suite of products designed to get the most out of each Adax hardware product and is supplied with a set of common APIs enabling simple integration of the upper layers. Adax HDLC, SS7, SCTP, X.25, Frame Relay, LAPB, LAPD and LAPV5 provide a well-balanced, high performance, low overhead direct connection to the network.

Fastest Time to Market

Adax provides extremely fast time to market through simplicity of design and a modular product range. This common software interface ensures a simple migration path and provides a flexible and portable solution. The API's between products remain the same preserving the investment in the higher layer software and applications. This compatibility enables quick upgrades to next generation requirements and easy field upgrades to expand the capabilities of installed systems.

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