

STREAMS X.25

NPI STREAMS DRIVER FOR X.25 PACKET LEVEL

- IMPLEMENTS AT&T NPI VER. 1.3
- STREAMS MULTIPLEXOR DRIVER
- COMPATIBLE WITH UNIX 5.3 AND 5.4,
SOLARIS, QNX AND LINUX
- NETWORK MANAGEMENT SUPPORT
- LEAST-COST CALL ROUTING WITH RETRIES
- X.25 PACKET LEVEL FACILITIES SUPPORTED
- X.25 VIRTUAL CIRCUITS CAN BE USED AS
IP INTERFACES
- USES DLPI TO INTERFACE TO FRAME
LEVEL BELOW
- API LIBRARY FOR USER PROGRAMS –
FULLY DOCUMENTED

DLPI STREAMS DRIVER FOR X.25 FRAME LEVEL

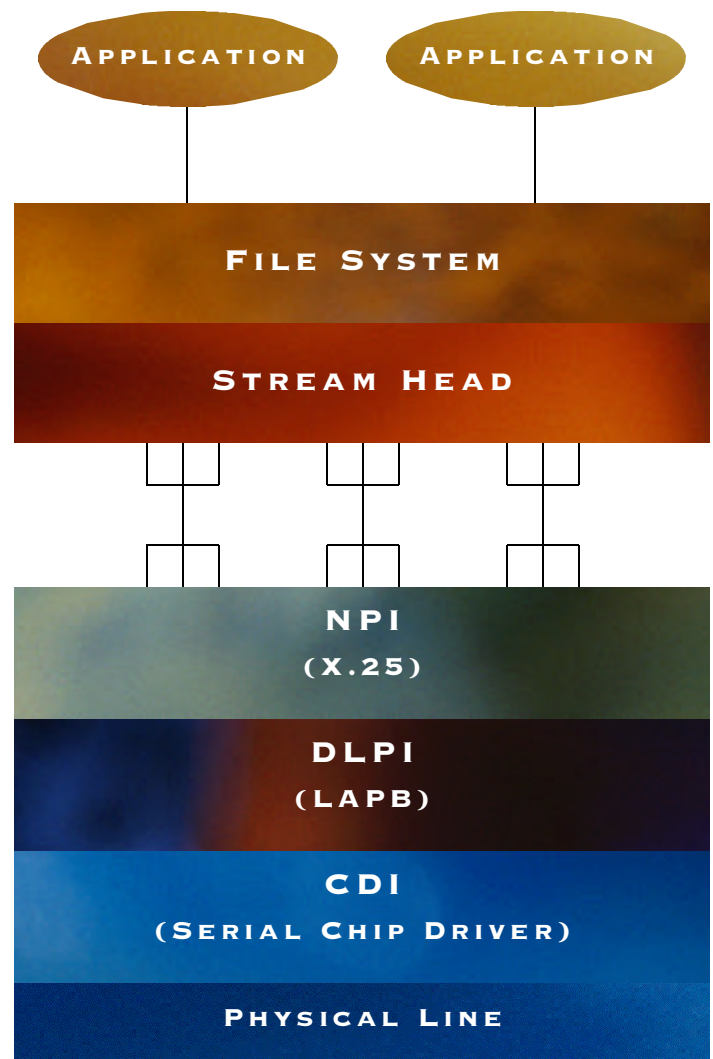
- IMPLEMENTS DLPI VER. 2.0.0
- STREAMS MULTIPLEXOR DRIVER
- COMPATIBLE WITH UNIX 5.3 AND 5.4,
SOLARIS, QNX AND LINUX
- NETWORK MANAGEMENT SUPPORT
- USES CDI TO INTERFACE TO PHYSICAL
LINE DRIVER BELOW
- SUPPORTS X.25 LAPB SINGLE LINK AND
MULTILINK

CDI STREAMS DRIVER FOR PHYSICAL LINE DRIVER

- STREAMS DEVICE DRIVER
- COMPATIBLE WITH UNIX 5.3 AND 5.4,
SOLARIS, QNX AND LINUX
- NETWORK MANAGEMENT SUPPORT
- DRIVERS FOR A VARIETY OF SYNCHRONOUS
BOARDS

X.25 STANDARDS

- CCITT X.25 1980, 1984, 1988
- DDN COMPATIBLE



X.25 LINE LEVEL FEATURES

- MAXIMUM FRAME SIZE PARAMETER
- WATCHDOG TIMER ON TRANSMISSIONS
- INTER-FRAME DELAY OPTION
- OSCILLATION DETECTION FOR MODEM SIGNALS
- ACCESS TO DEVICE REGISTER STATUS
- ACCESS TO STATISTICS ON THE FOLLOWING: CRC ERRORS, UNDERRUNS, OVERRUNS, ABORTS, NUMBER OF BYTES TRANSMITTED/RECEIVED AND OTHERS

X.25 FRAME LEVEL FEATURES

- DTE/DCE WITH OPTIONAL ROLE NEGOTIATION
- FRAME LEVEL WINDOW
- MAXIMUM FRAME SIZE PARAMETER
- T1, T2 AND T3 TIMERS SUPPORTED
- RETRANSMISSION LIMIT (N2)
- MOD 8/128 SEQUENCE NUMBERS
- ACTIVE/PASSIVE LINK SETUP
- USE OF DISC OPTIONAL
- SREJ OPTION
- MODEM SIGNAL MONITORING
- LOOPBACK MODE FOR TESTING
- LAP/LAPB
- IDLE RRS OPTIONAL
- TRACE BUFFER FOR FRAMES
- FRAME COUNTS BY FRAME TYPE
- I-FIELDS BYTES TRANSMITTED/RECEIVED

X.25 PACKET LEVEL FEATURES

- ALL X.25 FACILITIES ALLOWED VIA REGISTRATION PACKETS
- NORMAL/EXTENDED SEQUENCE MODE
- WINDOW AND PACKET SIZE NEGOTIATED
- THROUGHPUT CLASS NEGOTIATED
- PACKET REJ: DTE AND DCE
- INCOMING/OUTGOING CALLS BARRED
- ONE-WAY LOGICAL CHANNELS
- CLOSED USER GROUP
- REVERSE CHARGE ACCEPTANCE
- FAST SELECT ACCEPTANCE
- CHARGING INFORMATION
- D-BIT SUPPORT
- D-BIT MODIFICATION
- LOCAL CHARGING PREVENTION
- FAST SELECT
- LOGICAL CHANNEL RANGE NEGOTIABLE
- DIAGNOSTIC PACKET
- CCITT 1980, 1984, 1988
- OPTIONAL 1988 TOA/NPI ADDRESSING USING A-BIT
- DEFAULT AND MAX PACKET SIZES
- DEFAULT WINDOW SIZE
- PVC/SVC
- DTE/DCE
- SEGMENT SIZE AND CHARGING RATE PARAMETERS
- LOOPBACK OPTION FOR TESTING
- RESTART TIMER (T20/R20, T10/R10)
- CALL TIMER (T21, T11)
- RESET TIMER (T22/R22, T12/R12)
- CLEAR TIMER (T23/R23, T13/R13)
- REGISTRATION TIMER (T28/R28)
- PACKET COUNTS BY PACKET TYPE
- DATA BYTE COUNTS
- TRACE BUFFER FOR PACKETS



1800 Woodfield Drive, Savoy, Illinois 61874
Phone: 217 3514241
Fax: 217 3514240
e-mail: sales@gcom.com
<http://www.gcom.com>

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