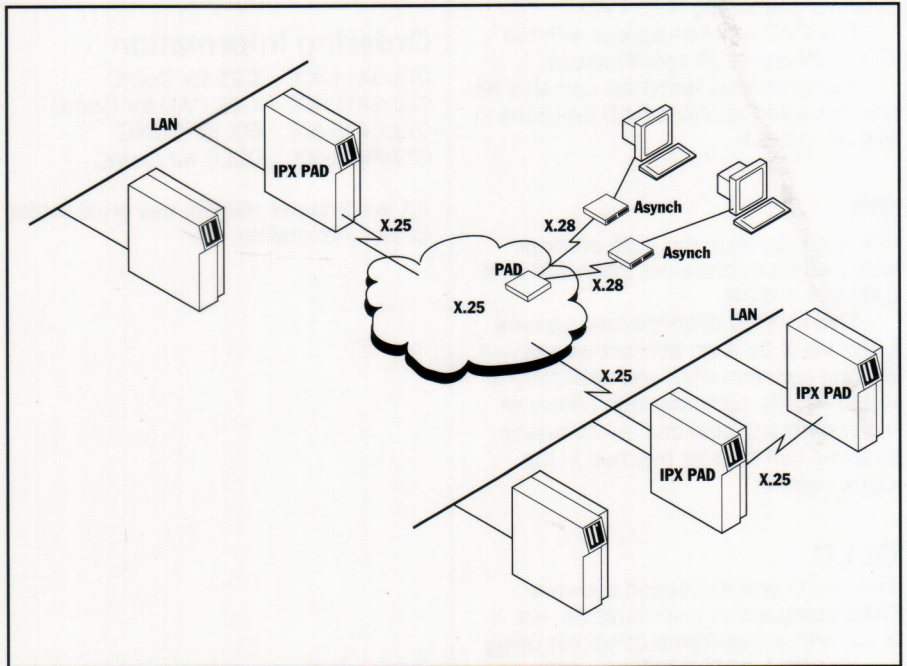


The international CCITT X.25 data communication standard provides a worldwide accepted reliable means of transferring data between multiple computer systems in units called 'packets'. A DIAB computer with the ComC Main Software and X.25 for ComC will support a number of the services provided in an X.25 network. Several DIAB computers in a LAN may use one common X.25 connection.

Application areas include:

- o LAN extension via IP, IP on X.25
- o PAD (Packet Assembler Disassembler) allows asynchronous operation via the X.25 network
- o X.25 can be used as a carrier between a DIAB computer and a mainframe computer through the SNA 3270 and QLLC protocols
- o MHS X.400 can be used for electronic mail via X.25



A DIAB computer running ComC and X.25 for ComC can be hooked up on an X.25 network or a leased line through the physical interface X.21 bis (V.24). An alternative is to connect the computer to an X.21 circuit network through the physical interface X.21. This type of connection is used in switched X.25 (X.32) where the link is connected to the X.25 network via X.21.

X.25 features

- o X.25 complies with the 1984 and 1988 CCITT recommendation for X.25, ISO 7776 och ISO 8208. The functionality has been validated with the NET-2 and CTS-WAN tests by authorized test institutes.
- o The transfer rate is up to 19200 bps for X.21 and X.21 bis, and up to 64 kbps for V.35.
- o Supports VC och PVC connections
- o Supports link configuration; Keepup (link is always active) or X.32 (link is active as long as at least one session is on).
- o Supports channel group numbering
- o Package volume can be configured between 16 and 4096 byte.
- o Window size can be configured between 1 and 7 (127 in extended mode).
- o Negotiable packet and window size.

- o Supports Q-bit, thus offering the possibility to send commands via X.25.
- o Supports D-bit, that is, acceptance of received packets.
- o X.25 supports message handling as per MHS X.400.
- o X.25 has support for D-NIX "sockets" which greatly simplifies the development of in-house X.25 applications.

The X.25 services are operated under various names in different countries:

DataPak	Sweden
DATEX-P	Germany
DATAPAC	Canada
PSS	United Kingdom
AUSTPAC	Australia
Telenet	USA
Tymnet	world-wide

X.25 PAD

The PAD is a support product which allows an asynchronous terminal connected to DIAB computer to use the X.25 network for connection with other systems supporting X.25 PAD.

The PAD function agrees with the X.3, X.28 och X.29 specifications.

Asynchronous terminals can also be connected to public PAD functions in a X.28 network.

IPX

IPX is an option in the X.25 concept which offers transparent extension of a LAN into a WAN.

This method of connecting several LANs via X.25 is an efficient way of sharing common data and applications within a large company with offices at many different locations. All company systems can thus be reached in the same manner.

QLLC

The QLLC protocol option allows a DIAB computer to communicate, via X.25, with a mainframe computer using the IBM SNA 3270/3770, see data sheet for ComC IBM SNA.

System requirements

Any DIAB system (model 20 or larger).
ComC Main Software is also required.
Operating system should be D-NIX 5.3
1.3 upd 4 or later.

Ordering information

072-8411-XX	X.25 for ComC
072-8412-XX	X.25 PAD for ComC
072-8415-XX	IPX for ComC
072-8421-XX	QLLC for ComC

XX is computer related, see price list for further information.