DYNETCOM

X.25 PADS

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- *4 port up to 16 port versions*

The Dynetcom CPX16, CPX 108, CPX 116 standalone and rack mountable, and the CPX-4PC unit are all PADS designed to connect asynchronous devices such as VT or TV1 Terminals or PCs to an X.25 network.

The PADs come in 4 to 16 port versions with some being expandable and others are set at a fixed number of ports. All support up to 19.2 KBITS speed.

- *Expandable port*

The CPX16 is a one "U" high (1.75 inches), 19 inch rack mountable device with 16 asynchronous ports and one X.25 trunk that can be run up to 64Kb/s using a V.24, V.35, or V.11 interface. Like the other PADs it complies with all the relevant ITU-T (formerly CCITT) standards and also the mandatory European EMC and safety standards. The asynchronous ports are connected using RJ45 connectors.

- *CPX4PC fits into any PC with an ISA BUS*

The CPX108 has similar features to the CPX16, but uses the V.24 standard DB25 connectors for the port connections. The CPX108 comes in a 2 "U" high (3.5 inches) case that can be mounted in a 19 inch rack or can be free standing.

The CPX116 is an expanded version of the CPX108. It is 3 "U" high and allows an additional 8 DB25 asynchronous ports giving a total of 16.

- *X.25 network connection from VT, TV1 Terminals or PC*

All three of these PADs have power supplies ranging from 90 to 260 volts, 50 or 60 Hz. They all comply with ITU-T recommendations for X.3, X.25, X.28, and X.29 and X.21. The also have all the necessary legal approvals for Europe and North America including CSA and UL.

These PADs are full featured with auto-call facility which allows the PAD to establish a network connection as soon as the terminal is switched on. It can also be set to clear the call after a pre-determined length of time. It also has the Mnemonic call facility which saves time having to remember long addresses when making calls.

- *Auto-Call facility*

The PADs can be remotely controlled using CCITT X.3 and X.29. All support X.29 set, read and set, and read packets. Also supported are invitation to clear, indication of break, and reselect packets. All mandatory X.3 parameters and values are supported.

- *Mnemonic call facility*

Several security features are built into this product including call address validation, port password protection, and remote passwords.
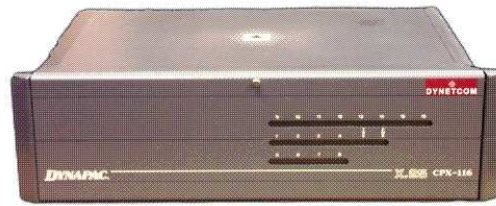
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Product Features

X.25 Interface Packet Level

- Services: SVC or PVC
- Numbering: Modulo 8
- Data Fields: Octet Aligned
- LGN, LCN: User definable range 1-4095
- Address Format: X.121 (up to 15 digits)
- Max Packet: 256 bytes in or out
- M,D,Q bits: Supported
- CUG id: User may specify, not verified
- Rev. Charge: Accepts, optional refusal, user can originate
- Window size: 1-7, default 2, negotiation allowed
- NUI: User may specify
- Incoming calls: Last 2 digits of called address selects port or rotary group. Calling address need not be present. If present can be displayed
- Incoming call indication:
  - X.28 or DSR or DTR
  - User request (X.28) dropping data signals or invitation to clear
  - Idle time
- Call request:
  - Called address supplied by user or mnemonic
  - Auto-call on DTR or return character
- Call clearing indications: Dropping DSR or DTR and/or X.28 message

X.25 Interface Link Level

- Framing: HDLC
- Addressing: DTE or DCE
- Procedure: LAPB (CCITT X.25 1988)
- Parameter: K=1-7 default
  - (modulo 8)
  - K=1-32 default 32 (modulo 128)
  - N1=2104 (263 octets)
  - N2=1-20
  - T1=100msec to 25 sec
- Numbering: Modulo 8 or 128

X.25 Interface Physical Level

- 1 x X.25 Trunk (X.21 bis) DB25 Male
- V.11/V.24/V.35 Interfaces
- Full Duplex continuous carrier
- 1200-64000 bps internal or external clock
- DCE/DTE selectable

Asynchronous Features

- Ports: 4 to 6 ports depending on PAD
- Interface: RJ45 V.24 on CPX16, DB25 V.24 on CPX108 and CPX116
- Speeds and Parity
  - 75 to 19,200 bps, 7 bit even, odd, mark or space
  - 8 bit transparent or 9 bit odd or even parity
- X.3,X.28,X.29: Most optional features supported

Physical

- Width: 19 inches
- Height:
  - CPX 16: 1.75"
  - CPX 108: 3.5"
  - CPX 116: 5.25"
- Power Supply: 90-265 v 50 or 60 Hz
  1 Amp at 110 v
  0.5 amp at 220 v
- Op. Temp: 5 to 45 deg. C

	Ports	Interface	Interface Connection	Supported Speed
CPX16	6,16	V.24, V.35, V.11	RJ45	Up to 19.2 KBITS
CPX108	4,8	V.24, V.35, V.11	DB25 or RJ45	Up to 19.2 KBITS
CPX116	8, 12,16	V.24, V.35, V.11	DB25 or RJ45	Up to 19.2 KBITS
CPX4PC	N/A	V.24	RJ45	Up to 19.2 KBITS

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Specifications subject to change without notice