



X.25 PAD/Switch

The CPX 216 and CPX 432 are high performance switching PADs combining two and five high-speed X.25 trunks at 64Kbps with a combination of up to 16 low-speed interfaces at 19.2 Kbps supporting X.25 or PAD ports. Fully integrated to perform as a single communication processing exchange, the switching function supports the 1984 CCITT X.25 recommendation, plus all the full routing flexibility and features found in other Dynatech packet switching products. The low speed ports can be a combination of X.25 trunks or PAD ports in increments of 8. The total number of ports is 18 with the possibility to combine high speed X.25, low-speed X.25 and PAD ports.

- ***Supports V.24, V.35, V.11, X.21, Interfaces***
- ***Flexible routing with load sharing***
- ***Supports data rates to 2.048 Mbps (T1/E1)***
- ***Combined support for high-speed X.25 trunks and low-speed interfaces***

Compatible with public and private X.25 networks found throughout the world, the CPX 216 is ideal for use as a concentrator device into a backbone network or it can serve as part of the backbone in smaller networks. Several units can be cascaded together to form a large PAD with multiple load shared X.25 connections to the network.

The PAD ports support all the features available in the other Dynatech PADs (CPX 8, CPX 16, CPX 432), including auto-call, mnemonics, hunt groups, sited range of terminal support and logon security. The CPX 216 is completely modular and shares a number of common modules with Dynatech's CPX 10, CPX 20, CPX 432. This greatly reduces the number of modules needed as spares and simplifies field upgrades.

Highlights

- 8 or 16 X.25 PAD ports up to 19.2 Kbps
- 2 or 5 high-speed X.25 trunks up to 64 kbps
- Choice of X.25 interfaces V.24, V.35, V.11 (X.21), at speeds up to 64 kbps
- Internal and external clocking
- Supports CCITT 1984 X.3/X.25/X.28/X.29/X.121 standards
- Special network support (DATAPAC, TRANSPAC, TELENET)
- XON-XOFF/RTS-CTS/ENQ-ACK flow control
- Modulo 128 for satellite efficient trunk
- Packet size to 1024 octets
- SVC and PVC operation, 2048 virtual circuits overall
- Logical network management port, locally and remotely accessible, command driven with help facility
- Flexible routing system with load sharing
- Network controllable via prism/2 DN 25 network management

Communication solutions from

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CPX 216

Product Features



User Interface

- **X.3:** All mandatory and most optional values of the 22 CCITT 1984 X.3 parameters supported
- **X.28:** All CCITT 1984 command and responses supported. Optionally, plain English extended commands and responses may be used
- **X.29:** All CCITT 1984 command and responses supported. Remote setup may be automatic on call accept
- **X.3 Profiles:** Up to 16 separate profiles and choice from 4 defaults
- **Remote Profiles:** Up to 3 remote profiles
- **Call Rotary:** Up to 16 rotary (hunt) groups. All ports individually configurable to each rotary
- **Mnemonics:** Up to 64, 6 character mnemonics may be defined with call address, user data and facilities, HELP display available
- **HELP:** 19 help pages are accessible to assist users
- **Logon/Connect Banner:** User definable, displayed to local terminals and incoming calls
- **Break:** Break sequence generated on receipt of interrupt packet
- **Busy Feature:** Individual ports may be suspended

Control Port Interface

- **Interface:** RJ 45 female connector
- **Speed:** Auto baud detect pm a;; s[peeds 110, 300, 600, 1200, 2400, 4800, 9600, 19200 bps
- **Pin outs:** Internal strapping
- **Format:** 7 data bit, 1 or 2 stop bits
- **Parity:** Auto parity detect
 - Even, Odd, mark or space
- **Flow Control:** XON/XOFF

General

- **Operating System:** ROM
- **Buffer Memory:** 364 K

Physical

- **Width:** 19" (47.26cm)
- **Height:** 8.75" (22 cm)
- **Depth:** 10.5" (26.5 cm)
- **PSU:** 110/120 volts AD, 50 Hz or
 - 220/240 volts AC, 50 Hz
- **Power consumption:** 1 amp at 110/120 volts AC or .5 amp at 220/240 volts AC
- **Operating temp:** 5 to 45 degrees C
 - 41 F to 113 F
- **Storage temp:** 0 to 60 degrees C
 - 32 F to 140 F
- **Heat o/p max:** 200 BTU/Hour

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