



KONGSBERG

CPX300 – Tactical Multi-Protocol Switch

A multipurpose tactical switch developed for efficient communications

Deployed in

- *Tactical area systems*
- *Air defence systems*
- *C3I systems*
- *Command post systems*



CPX300 is a multipurpose tactical circuit switch combining compact size, high switching capacity and adaptability to a variety of applications, equally suitable for subscriber access and trunk switching.

Its inherent properties for communications readiness, makes it particularly suitable for communication in and between tactical units frequently on the move.

CPX300 is based on the concept and design principle of our CPX200, in successful service in countries world wide.

Features:

- Non-blocking switching matrix
- 5 TDM ports according to EUROCOM "A", V.11, E1 and T1 (256, 512, 1024, 2048, 4096, 8192, 8448 kbit/s)
- Switched channels: Free mix of multi-timeslot channels, bit rates from 16 to 2048 kbit/s
- Freely configurable group ports for bit rates and port function (trunk, access, gateway)
- 15 positions for local line access, each having a capability for up to 2048 kb/s data rate
- ISDN access via single line, E1 or T1
- Combat net radio interface
- Supported by Communication Management System (MS200)
- Full military specifications for tactical environment

CPX300

Specifications

Port Interfaces	Bit-rates
EUROCOM "A"	256, 512, 1024, 2048, 4086, 8192, 8448 kbit/s
G.703	256, 512, 1024, 2048, 4086, 8192, 8448 kbit/s
V.11	256, 512, 1024, 2048, 4086, 8192, 8448 kbit/s
RS-422	256, 512, 1024, 2048, 4086, 8192, 8448 kbit/s
E1	2048 kbit/s
T1	1544 kbit/s
EUROCOM "GW"	256, 512 kbit/s
STANAG 4206	256, 512 kbit/s
STANAG 4578 Ed. 1	2048 kbit/s

Signalling

- QSIG
- Q.931/Q.932
- EUROCOM D/1

Subscriber services

- Normal call
- Sole user connection
- Switched hotline
- Precedence / Pre-emption
- Affiliation facilities
- Call Hold, Call Forward, Call Transfer
- Call back
- Full duplex conferences (Hot-Loop, Meet-Me)
- EUROCOM conference
- CNR conference
- Broadcast/Intercom
- Party-line
- Operator assisted services



EriTac^{IP} Rack

- **RL532A** - Frequency Hopping, IP&TDM, Radio Link in Band III+
- **IPX600** - Tactical Router and Media Gateway
- **CD510**- Multi Link Bulk Encryption
- **CPX300** - Multi-Protocol & Multi-Media Switch

Local Access

Analogue:

- 2W pulse and DTMF signalling
- 4W E&M
- STANAG 5040

Digital:

- 2-wire/4-wire interface according to EUROCOM "K"
- ISDN: 2B+D (NT and TE side)

Data:

- EUROCOM "J" interface (RS-232/RS-422)
- Synchronous 16-2048 kbit/s, according to EUROCOM class 1
- Asynchronous 50-38400 bit/s, according to EUROCOM class 2
- Synchronous 300-4800 bit/s, according to EUROCOM class 3
- Synchronous from 2.4 to 1024 kbit/s, with FEC according to EUROCOM class 4

Power Supply

Input Voltage: 19-32 V DC
60 watts (nominally)

Dimensions and Weight

Height: 266 mm
Width: 483 mm
Depth: 364 mm
Weight: 28 kg (maximum; the figure is configuration dependent)

Operating temperature

-40°C to +55°C

This publication is not to be regarded as a complete system specification, or to be used as a contract document. We reserve the right to change the design or specifications without prior notice.

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