

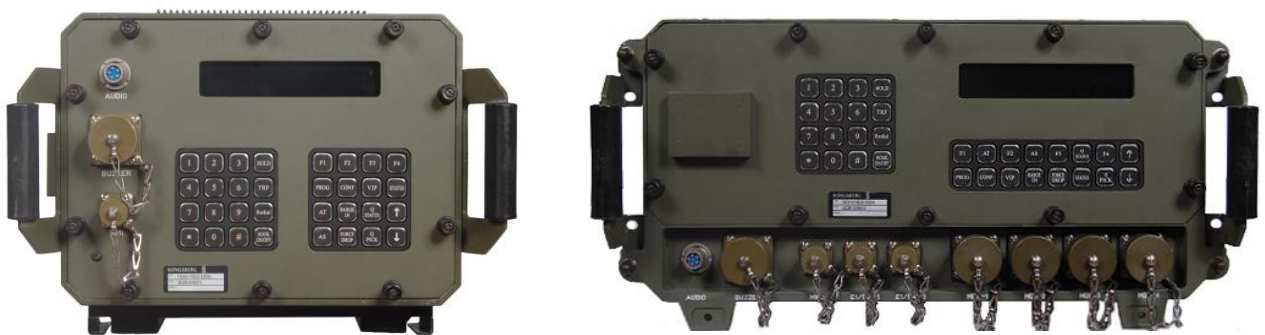


KONGSBERG

FX300 – Tactical Field Exchange

Tactical Field Exchange with multiple digital and analogue capabilities

The state-of-the-art Multi-Interface Field Exchange family FX300 is based on Digital PCM/TDM switching technology. It employs a non-blocking circuit switching concept and interfaces to strategic and other tactical communication networks via exchange trunk lines or over E1/PRI interface.



The FX300 Field Exchange family consist of four pre-configured models in two different cabinet sizes:

Small cabinet (8 slots)

- **FX301**
14 lines (12x analogue, 2x ISDN)
- **FX302**
28 lines (24x analogue, 4x ISDN)

Large cabinet (15 slots)




- **FX304**
48 lines (44x analogue, 4x ISDN, 2x E1/PRI)
- **FX310**
112 lines (108x analogue, 4x ISDN, 2x E1/PRI)

Functionality

- Supports up to 128 lines consisting of CB-, LB-, ISDN- and exchange trunk lines in its basic unit.
- FX304 and FX310 include E1/PRI interface for connection to strategic or other tactical networks.
- Built-in or external connection unit (MDF) for subscriber lines.
- Modular design for ease of maintenance.
- Provides a standard set of subscriber services.
- Built-in redundancy for greater survivability. Redundant CPU and power supply (PSU).
- Built-in battery charger.
- Built-in Operator Console with handset/headset for call and service handling.
- Programming and control via Operator Console or from a Windows PC.
- Tailored card configuration possibilities.
- VHF, HF and UHF CNR control card available.

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Specifications

System and Maintenance Modular concept, same cards in both cabinets Built-in redundancy and memory backup Built-in protection on all cards Power on self test Built-in test equipment Acoustic and display reporting of alarms Flexible numbering scheme	Operator Console Built-in Operator Console Subscriber and service configuration Call assistance for subscribers Intrusion possibilities Trunk access handling Self test functions	
Subscriber Services Auto Call Back Call Forward Call Hold and Transfer Call Pick-up Abbreviated Dialling Direct inward Dialling Direct outwards Dialling	Interfaces Analogue Trunk Lines Analogue Telephone lines (CB or LB) Digital ISDN-S BRI Digital E1/ISDN PRI	
Interface Cards UTC (2- wire analogue): 4 or 12 lines ISDN-S: 4 lines E1/PRI: 1 port (30 lines)	Accessories Operator handset/headset Subscriber connection unit (MDF) Cables	
Power Supply AC operation: 140V - 260V Battery operation: 20V – 65V Power consumption: 0.7 W / Line	Protocols DTMF and Loop Dial ISDN-BRI E1 CAS, R2 MFC E1 CCS, PRI (QSIG)	
Dimensions /weight – FX301/FX302 Height: 257 mm Width: 371 mm Depth: 501mm Weight: < 17 kg	Dimensions/weight – FX304/FX310 Height: 246 mm Width: 483 mm Depth: 483 mm Weight: < 20 kg	
Environmental Data Operating Temperature: -20°C to +55°C Storage Temperature: -40°C to +65°C Relative humidity 0 - 95 % Driving rain 100 mm/hour		
References MIL-STD-810G MIL-STD-461E EN-61000-4-2 EN-61000-4-5	Options Tailored card configurations Management from Windows PC 2 port CNR card (RIC) Vehicle Mounting Kit Carrying Bag Transport Case	FX301/FX302 - Carrying Bag

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.

FX300 datasheet, LZTR10350 rev B
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