

TACTICAL ROUTER



HIGH CAPACITY MAIN NETWORKING COMPONENT OF K-TACS

IPX600 Tactical Router and Media Gateway

IPX600 is a high capacity IP router and TDM switch. IPX600 is the main networking component of K-TaCS, the Tactical Communication System from KONGSBERG. IPX600 integrates IP networks and legacy tactical networks and provides IP networks with military gateways.

IPX600 supports voice calls, voice conferences, video conferences, standard office applications, C4I systems and advanced weapon systems like the Raytheon KONGSBERG NASAMS Air Defence system.

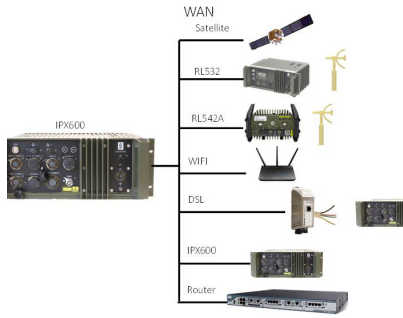
IPX600 is a configurable media gateway and router, supporting a range of different interfaces, both wired and wireless. IPX600 provides a wide range of IP- and circuit switched network services making it applicable both as a network and as an access router.

Its small size and low weight together with its inherent properties for communication readiness, makes IPX600 ideal for communication between tactical headquarters. This is due to the ability to operate autonomously and that immediate rerouting is done when a link disappears, e.g. due to enemy jamming.

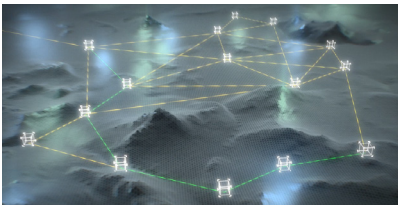
Management is performed through the KONGSBERG Communication Management System (CMS). CMS is an intuitive, easy to use menu based system. Predefined configurations may be used. IPX600 has a fully ruggedized design suitable for harsh environments.

FEATURES

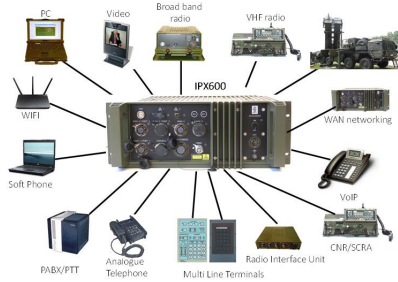
- IP router with a wide range of routing protocols
- Integrated call control, supports 100 VoIP telephones
- Voice, data and management service integration with legacy circuit switched and combat level IP system
- Supports traditional K-TaCS/EUROCOM terminals
- Media Gateway supporting SIP, STANAG, and EUROCOM Gws
- Multimedia access unit via optical fibre or radio link
- Cyber security features



IPX-WAN-1



K-Tacs network



IPX-Equipment-1

TECHNICAL DATA

Port Connections	5 x WAN 2 x Lan 1 x Fiber 1 x Management	
Protocols	RIPv2 and RIPv6 OSPFv2 and OSPFv3 BGP BABEL PIM-SM / PIM-SSM	NTP SIP DLEP STANAG 4206 STANAG 4578 Q.931/QSIG
Interfaces	Ethernet: 100 Mbit/s electrical Ethernet: 1 Gbit/s optical ITU-T V.11: up to 8448 kbit/s ITU-T G-703: up to 8448 kbit/s EUROCOM D/1: up to 8448 kbit/s STANAG 4206: up to 512 kbit/s STANAG 4578 Ed. 1: 2048 kbit/s	
Subscribers	15 legacy telephones 100 VoIP telephones NTP server SIP telephones	
Services	IPv4 and IPv6 DHCP server /client Call handling Firewall Remote management from CMS	
Encapsulations	GRE VLAN	
Power Supply	18 - 32 VDC MIL-STD 1275	
Environmental	Operating temp.: -40°C to +55°C Environmental: MIL-STD 810 army ground EMC: MIL-STD 461 army ground	
Dimensions	Height:	177 mm
	Width:	483 mm
	Depth:	350 mm
	Weight:	19 kg

