



KONGSBERG

TR600 – Tactical Router and Media Gateway

Making the best of your available communication links

TR600 allows the warfighter to fully utilize the different communication links available out of a single vehicle or a Command Post. Exchange of information is needed at all times, but as the battle develops ranges and terrain require diverse communication links to reach different destinations.

The TR600 allows the warfighter to concentrate on producing and consuming critical C4ISR information. The forwarding of the information is ensured by optimized route selection in the TR600 routing core.

The TR600 will route all data over a variety of links such as HF-radio, modems, IP aware as well as legacy Combat Net Radios, the WM600 broadband radio and a variety of SATCOM links – including BGAN and similar commercial systems. The TR600 is an integrated part of the TacLAN system and thus fully IP based.



To achieve Information Superiority a range of different sensors are combined to provide the best possible situational awareness. The TR600 brings the same approach to the Information Network Infrastructure as it ensures that all available information is forwarded at the best available communications link at any time. The decisions are made per service or according to QoS priorities, real-time

requirements and other operationally relevant parameters.

TR600 brings the principles of Network Enabled Capabilities to the lowest level of the organization.

The TR600 includes DHCP services, DNS services and routing for connected LAN subscribers.

The powerful computing power and flexible software of the TR600 allows new services to be implemented for support of customer specific applications.

Management is made simple through a web-based management system.

Features

- Establishes a routed network between combat vehicles
- Supports a range of different communication equipment/links
- Selects the most suitable link for every data service
- Provides advanced networking features
- Brings IP capabilities to Legacy communication systems

TR600

ROUTING FEATURES

The TR600 will inspect all incoming IP data packets on the LAN ports and perform local queuing and prioritization for transmission on the connected communication equipment.

Different transmission links and equipment are characterized and matched with offered traffic to ensure optimum use of available resources under all conditions. Standard IP messages inform transmitting hosts if offered traffic do not match the available resources to a destination.

Different routing protocols are available for use on LAN interface and for the various links. Routing information from connected WAN communication systems is used to build a complete routing matrix. OSPF, RIP, BGP and similar is supported as well as interface to wireless routing protocols.

WAN connections can be both serial lines and Ethernet.

NETWORK SERVICES

The TR600 provides Ethernet interfaces to the local LAN of the vehicle. IP-based services such as DHCP, DNS and routing are provided. All management is web-based.

ENVIRONMENTAL

The TR600 complies with MIL-STD 810F requirements to tactical equipment.



Specifications

Technical Data (preliminary)		Power Supply	
Protocols		Input Voltage: 11-32 V DC	
Routing	Proprietary	Operating temperature	
IP versions	IPv4	-35°C to +55°C	
LAN protocols	Ethernet	Dimensions and Weight	
Services		Height:	138 mm
Network Services	DHCP, small DNS	Width:	240 mm
Management		Depth:	360 mm
Console	Direct RS232 or SSH Web based	Weight:	5 kg
LAN support			
Standard Interface	IEEE 802.3 10/100 Base-T/TX		
WAN support			
Serial interfaces	RS232 RS422 RS485 (option) 10/100 Base-T/TX Device specific		
Other Optional			
Routing protocols			
WAN	OSPF RIP BGP OLSR		
LAN	OSPF RIP		

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