



KONGSBERG

## SR600 – Broadband Soldier Radio

Connecting soldiers within the platoon

**SR600 connects all soldiers within a squad while also offering full integration into the platoon/company network.**

### Features

- Multiple virtual voice nets in one RF-network
- Multi hop voice and data communication
- Fully IP based
- Embedded AES256 encryption
- Broadband wireless access to supporting fighting vehicles and within team/squad
- Flexibility in network capacity versus RF bandwidth

SR600 supports a number of parallel voice networks allowing the squad leader full intra- and inter squad radio communication with a single radio set.

The system also supports the dismounted soldier teams with high data capacity to share sensor data such as video and imagery information over distances met in real combat.



The SR600 has the benefit of being a fully ruggedized network node in an IP based network enabled system, providing network services such as DHCP and routing services to the connected soldier and higher echelon networks

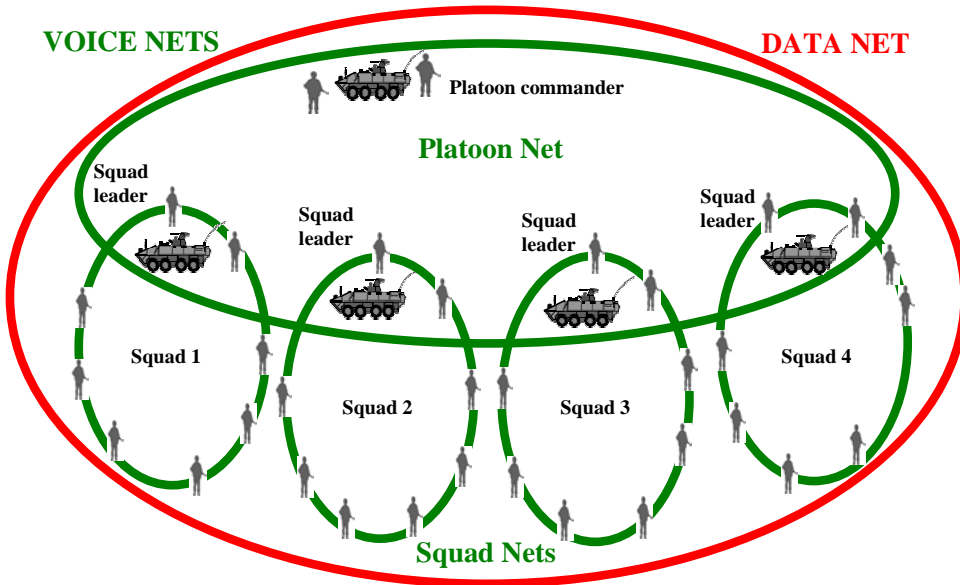
SR600 has ad-hoc networking features. The user will reach intended destination for both voice and data communication with the multi hop capability of SR600.

The software defined solution of SR600 and the radio's flexible software facilitates new services to be implemented in support of customer specific applications. SR600 operates without any Master in the network.

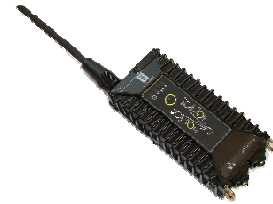
SR600 is fully compatible with the vehicle mounted broadband wireless module WM600 enabling full access to higher C4I levels over long distances.

By direct high data rate communication, tempo of operations increases. SR600 brings the principles of Network Enabled Warfare to the lowest level in the organization.

## All in one RF-network



TacLAN supports mobile units and soldiers with multiple voice channels, situational awareness and high data capacity for video and C4I applications



Soldier Radio SR600



Vehicle Wireless Module WM600

- Squad members have a separate net while at the same time the Squad leaders may be part of the Platoon net.
- Data net is common to all.
- Vehicles are connected using the fully compatible WM600 broadband radio.

### RADIO FEATURES

The SR600 operates in the 225 to 400 MHz UHF band to provide good balance between range, data rate and RF output power. The radio has a selectable RF output, from 10mW to 1W to allow a mission specific range vs. battery lifetime optimization.

The radio can provide different network capacities based on selected RF bandwidth. Depending on chosen network capacity, the radio can handle a number of parallel voice networks and IP multi hop data network in one RF network.

### NETWORK SERVICES

The SR600 provides an Ethernet interface to the soldier system. IP networking services such as DHCP and IP routing are provided for connected terminals and networks. Multicast and unicast services are supported.

Management is web- or SNMP-based.

### POWER SOURCE

The SR600 is powered from a centralized soldier power source or from a separate battery.

### ENVIRONMENTAL

The SR600 complies with MIL-STD 810F requirements of tactical equipment.

## Specifications

Technical Data		Power Supply	
<b>Protocols</b> IP versions            IPv4 LAN protocols        Ethernet		Input Voltage:    9 -18 VDC	
<b>Services</b> Network Service    DHCP External networks   OSPF/RIP routing Multi hop capability Voice and data		<b>Operating temperature</b> -35°C to +55°C	
<b>Management</b> RS232/ssh Web (https) SNMP		<b>Dimensions and Weight</b> Height:            36 mm Width:             97 mm Depth:            218 mm Weight:            0,7 kg	
<b>Network Capacity</b> Voice:                up to 5 voice nets Data rates:          up to 2500 kbps RF bandwidth:      up to 5 MHz			
<b>RF Output</b> Frequency Range   225-400 MHz Power                10 mW to 1 W			
<b>Interfaces</b> LAN                  IEEE 802.3 10 Base-T/TX Audio                Dual channel Analogue, supporting a wide range of headsets Connectors         SSSIWG standard			

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.

