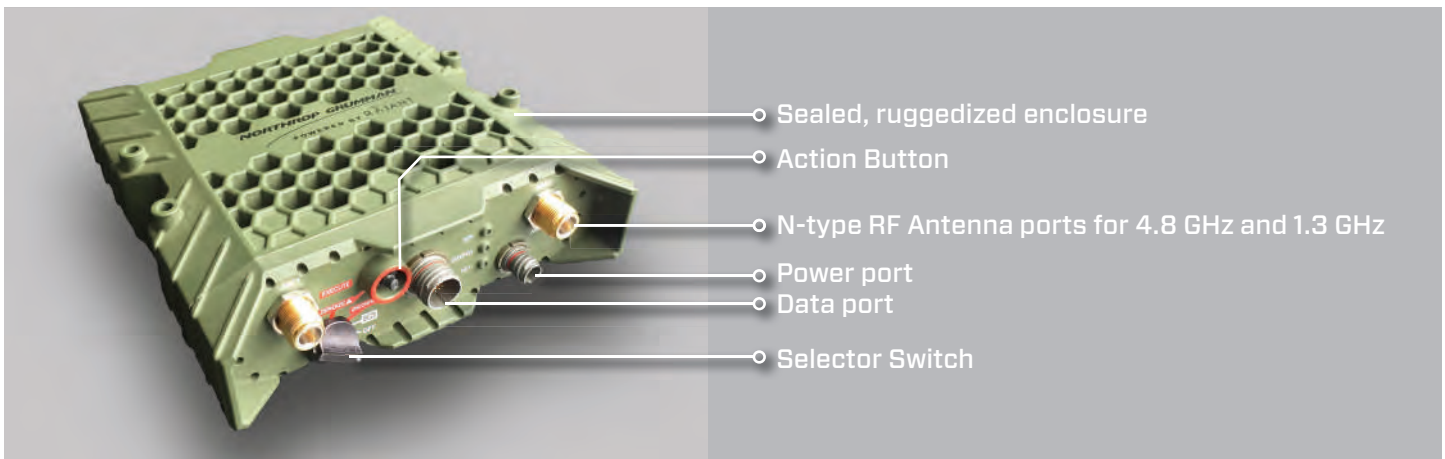# Huntsman© Secure Network Radio LX4-SAB

Secure, Portable, Wireless Mesh Network Radio — reliable in extreme environments and weather conditions

Huntsman© Secure Network Radio Key Features

- National Security Agency-certified Suite B Cryptographic High Value Product for Secret and Below applications
- Multiple radio frequencies for anti-jamming, high reliability, redundancy and diversity, and load-balancing
- Rajant's InstaMesh® networking software, enabling the network to quickly adapt to rapidly deployed and quickly or constantly moving network elements
- Dust-tight and water-resistant enclosures that are able to withstand hostile environments with conditions such as temperature extremes, wind, rain, snow, dust, and vibrations
- Scalability to hundreds of mobile high-bandwidth nodes
- Fast and easy deployment, especially important for establishing ad-hoc networks
- Fully redundant, self-healing mesh technology
- BC|Commander application for Windows or Linux for easy configuration and continuous remote monitoring of Huntsman© Secure Network Radio and mesh network link quality

20+ Years OF GAME-CHANGING **WIRELESS**

RĀJANT

Sealed, ruggedized enclosure
Action Button
N-type RF Antenna ports for 4.8 GHz and 1.3 GHz
Power port
Data port
Selector Switch

Performance Specifications:

- Throughput: Up to 54 Mbps
- Latency: Less than 1ms per hop
- Range: up to 10+ km omnidirectional (Line of Site [LOS])

Wireless:

- Four transceivers per HSNR.
  - 1x 1.3 GHz (1350 – 1390 MHz)
    - 29 dBm (Max RF TX Power)
  - 3x 4.8 GHz (4800 – 4940 MHz)
    - 28 dBm (Max RF TX Power)

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Interfaces:

- Two 10/100 Mbps Ethernet interfaces.
- Two USB and one RS-422 interfaces for application specific uses (e.g., GPS integration, voice communications).
- One DS-101 key fill interface.
- LEDs for mesh network status, key status, and application specific uses.
- Four N-Type RF ports

Networking:

- VLAN tagging and trunking support.
- VLAN priority and QoS Support.
- Black side DHCP support.

Security:

- NSA-certified Suite B encryption
- Access control lists (black list & white list)
- Node-to-node authentication
- Per hop verification of packets within mesh

Physical:

- Dimensions: 8.43 in x 7.78 in x 2.40 in
- Weight: 8 lbs., 10 oz.

Power:

- Input Power:
  - 18-75VDC
  - AC power supply for 100-240, 50/60Hz VAC operation
  - 40 W max power consumption

Environment:

- Operating/Storage Temperature: -40C to +80C (-40F to +176F)
- Humidity: 95% (non-condensing)
- Designed to meet MIL-STD 810G specifications for environmental conditions
- Sealed, ruggedized enclosure allows for radio deployment in all types of weather – hot/cold, wet/dry, humid, etc.

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN