SNC

SNC TRAX®
TRIK-TDL Gateway

Enabling Combat-Proven Solutions to Multi-Networked Tactical Data Links

SNC's Tactical Radio Application eXtension (TRAX)-Enabled TRIK-TDL Gateway, provides a digital nervous system for secure data connectivity at the tactical edge. It links systems and sensors in all domains of tactical engagement – air, land, sea and space – globally across the U.S. DOD and its strategic partners. The TRAX-Enabled TRIK-TDL Gateway creates a scalable foundation for meeting warfighter requirements by providing resilient and interoperable connectivity to cloud and Internet Protocol (IP) connected platforms in degraded, contested and resource-limited environments.

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The TRAX-enabled TRIK-TDL Gateway's cutting edge combination of hardware and software capabilities make it an agnostic broker of data across domains to reduce threat detection, correlation and engagement timelines and enable distributed mission command – ultimately being the source of Joint All-Domain Command & Control (JADC2).

SLOTS ① ② ③ ④ ⑤ ⑥ ⑦ ⑧

SNC's TRAX TRIK-TDL Gateway. A highly portable system that operates in network degraded environments.
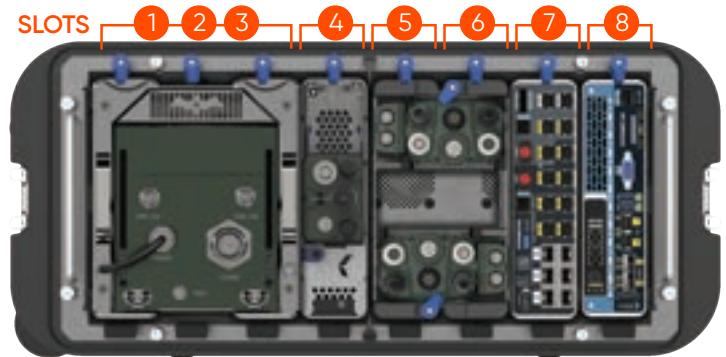
TRIK BOX UNIQUE FEATURES

The SNC TRIK box is a ruggedized solution with optimum performance within SWaP constraints for an austere environment while positioning critical resources at the tactical edge.

• Fully integrated Gateway solution (Forwarding)
• Simultaneous voice & data Tx/Rx
• Virtual compute environments
• Link-16
• Joint Range Extension Protocol (JREAP) A/C
• Situational Awareness Data Link (SADL)
• Variable Message Format (VMF)
• Common Message Format (CMF)
• Open Mission Network Interface (OMNI)
• MANET radios
• Cursor on Target (CoT)
• Key Length Value (KLV)
• UHF/VHF/HF
• Supports Layer 3 IPv4/IPv6 static routing
• Backwards compatible with legacy systems
• Edge compute, processing, storage
• Industry standard connectors (USB, Ethernet & Fiber)
• Hot swappable modular components

Fully function in austere environments under extreme temperature, wind, vibration & moisture conditions:

✓ MIL-STD 10 Compliant
✓ MIL-S-901 Compliant
✓ DO160G Compliant

CORE COMPONENTS

Hardware that encases the system with a carbon fiber airline carry-on transit case and 19-inch rack-mountable chassis.

① **Link-16/BATS-D Vehicular Amplifier (BVA) System Sled.**
② PRC-161 HHL-16 radio sled and BVA amplifier with fan tray
③ & cables. 63 W amp, fan tray, & cables are included.

④ **Handheld Link-16/PRC-161 Radio.** PRC-161 HHL-16 radio (GFE) with sled.

⑤ **PRC-163 Next-Gen Handheld Sled.** Radio is GFE.

⑥ **SADL Microlight Radio Sled with AMP.** SADL Microlight sled that holds one SADL Microlight radio (GFE) with 20 W amp included.

⑦ **Voyager ESR2.0.** One embedded services router with Cisco 6300 ESR, Cisco ESS-2200 embedded services switch, five 16 B Ethernet ports, seven 16 B switch ports and two 10 GB SFP+ switch ports.

⑧ **Voyager VM 3.0.** One Virtualization Module (VM) with Intel Pentium Processor, 4-Core Processor with 96 GB RAM, two 10 GB SFP+ ports, two 16 B Ethernet ports, one VGA port, two VUSB 3.0 ports & one RJ-45 serial console interface.

Voyager 8+ Aero Chassis and Case. One chassis & carbon fiber transit case with a rugged backplane for eight slots. Includes enhanced power, hot swap, AC/DC power input, UPS & battery operation.