



## LINK 16 TACNET™ TACTICAL RADIO

# GREATEST RANGE, SMALLEST SIZE

### Delivering proven Link 16 performance and interoperability

Today's wars are being waged against an unconventional enemy in challenging physical and electronic warfare environments. Real-time information exchange among air, land and naval coalition forces is critically important for increased situational awareness and enhanced mission effectiveness.

Collins Aerospace TacNet™ Tactical Radio (TTR) is the smallest, lightest and most affordable Link 16 platform terminal available today. Our TTR requires no cooling equipment, cooling

air or air filters and produces no noise. It was designed for ease of integration and has the greatest range for small form factor (SFF) Link 16 terminals.

TTR is a tactical radio solution for size, weight, power and cost (SWaP-C) disadvantaged platforms, such as helicopters/vertical lift, UAVs/UASs, pods, small maritime vessels, submarines, mobile ground units, small fighters and training aircraft. It's flexibility and rugged design meets various mission requirements and expeditionary warfighter needs.



### KEY FEATURES

- No cooling air or equipment required (no noise)
- Lowest cost L-16 SFF
- Three power modes (90 W, 50 W and 1 W)
- Proven ease of integration with the various TDL hosts
- Advanced anti-jam performance
- Highest maximum transmit range out of all SFF L-16 terminals
- Able to withstand harsh environments

## SPECIFICATIONS

### Terminal characteristics

Length	6.60 in (16.76 cm)
Width	4.96 in (12.60 cm)
Height	5.56 in (14.12 cm)
Weight	10.4 lbs (4.5 kg)
Volume	<182 in3 (2,982.4 cm3)
Input Power	28 VDC (22 to 32 VDC)
Cooling	Free convection cooled. No cold plates or fans required.
Environmental compliance	MIL-STD 810F, MIL-STD 461E
Operating temperature	-40° C to 71° C
Storage temperature	-55° C to 95° C
Altitude	-1,800 to 70,000 ft (-549 to 21,336 m)
Range	+200 nm (+370.4 km)
Output power	Variable 90 W, 50 W, 1 W Modes
Antenna output capabilities	Variable one or two antenna transmit
J-Voice	1-channel transmit, 2-channel receive CVSD and LPC-10 (2.4 and 16 kbit/s)
Navigation	Raw Inertial data via host FIM



## KEY DISCRIMINATORS

- Only SFF L-16 terminal to offer 1 W power output (EMCON Operations)
- Only SFF L-16 terminal certified at the same level as MIDS terminals (Top Secret)
- Selected for and integrated onto various C-130s, helicopters and transportable gateways including Collins FasTAK™ Gateway
- Delivers proven performance and interoperability with U.S. and Coalition Armed Forces' MIDS LVTs and MIDS JTRS radios
- Comes with an optional TSM™ Smart Mount
- Proven ease of integration with the various TDL hosts due to MIDS Platform A (1553) and Platform J (Ethernet) Host Platform implementation
- Fast network synchronization (< 10 seconds)
- DS-101 Key loading with standard key loading devices (ie. AN/CYZ-10, DTD 2000 System, AN/PYQ-10 SKL)
- Ethernet 10/100 Base-T or 1553 Data Host Interfaces via common MIDS Platform A and Platform J ICDs
- Shares common mount and batteries with ARC-210 V/UHF terminals for minimal supply chain management
- Optional GPS Direct Connect to send position data directly from GPS to terminal

## GROWTH CAPABILITY

- Link 16 crypto modernization
- Enhanced throughput (ET)
- Concurrent multinetting
- Time slot reallocation
- Multi-channel capability
- High power capability

Specifications subject to change without notice.



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