Making any guided weapon network enabled for engagement at greater ranges and in all-weather, high threat environments.

Rockwell Collins’ TacNet™ weapon data link (WDL) makes any guided weapon a Network Enabled Weapon (NEW). It is a key asset in a net-centric operations environment, providing the warfighter with joint weapon tracking and fire control, as well as high-confidence situational awareness data.

TacNet WDL provides multi-channel Link 16 and UHF data-link functionality in a common WDL form factor in use across multiple precision-guided weapon systems.

The Fast-sync feature attains Link 16 network entry and message availability within seconds, enabling Time Sensitive Targeting operations. TacNet WDL is NSA certified and interoperable with existing Link 16 and UHF tactical data-link networks.

When mission success is critical, TacNet WDL enables warfighters to engage stationary and moving targets at greater ranges and in all-weather, high threat environments.

**KEY FEATURES**
- Multi-channel Link 16 and UHF
- Link 16 NEW message set
- Fast-sync net entry under 12 seconds
- Passive-sync “silent” networking
- Industry standard interfaces
- NSA Type-1 certified
- Field reprogrammable
- Advanced security features
- Rugged weapon environment design
- No batteries required

**KEY BENEFITS**
- Moving target engagement
- In-flight target update
- In-flight retargeting
- In-flight controller hand-off
- In-flight abort
- Bomb Hit Indication (BHI)
- Increased standoff range
- Increased weapon accuracy
- Real-time situational awareness
- Reduced integration cost
- Reduced life cycle cost
- 20-year shelf life
PERFORMANCE

Frequency bands
- L Band (969 MHz to 1206 MHz)
- UHF (225 MHz to 400 MHz)

Power input
- 28 VDC, <65 watts average

Power out
- 40 watts L Band
- 5 watts UHF

Interfaces
- Ethernet, RS-422

Waveforms
- Link 16 and UHF LOS

Network entry
- Fast-sync under 12 seconds

ENVIRONMENTAL PERFORMANCE

Storage temperature
- -54° C to 77° C

Operating temperature
- -54° C to 71° C

Operational altitude
- ≤40,000 feet

Acceleration
- ≤12 g

Environments
- Fluid, sand and dust

Environmental
- MIL-STD-810F

EMI
- MIL-STD-461E

Power
- MIL-STD-704E

Passive cooling utilizing conductive mounting surface

PHYSICAL CHARACTERISTICS

Weight
- 5.3 pounds or 2.4 Kg

Size
- 5.1” W x 4.6” L x 4” H

Volume
- 85 in³/1400 cc

Connectors
- Micro D and SMA

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

Building trust every day.

Rockwell Collins delivers smart communication and aviation electronic solutions to customers worldwide. Backed by a global network of service and support, we stand committed to putting technology and practical innovation to work for you whenever and wherever you need us. In this way, working together, we build trust. Every day.

For more information, contact:

Rockwell Collins
400 Collins Road NE
Cedar Rapids, Iowa 52498
800.321.2223
+1.319.295.5100
fax: +1.319.378.1172
email: learnmore@rockwellcollins.com
www.rockwellcollins.com