



Features and Benefits

- **Low power requirement and small size and weight footprint provide flexibility in installation and compatibility with short-range tactical UAVs and larger manned and unmanned vehicles**
- **Multi-band reception and transmission (L/S/C) enables operation anywhere in the world**
- **AES Type-1 encryption (U.S. only) facilitates flexible and tested secure communications**
- **Integrated 2-watt power amplifier simplifies integration and further reduces terminal footprint**
- **Transmit and receive data rates up to 21.42 Mbps provides high-capacity IP channels for voice, data and video**

Nano Multiband Transceiver (nMT)

Secure Common Data Link Intelligence, Surveillance and Reconnaissance

Cubic's Nano Multiband Transceiver (nMT) radio provides front line tactical ISR communications that are crucial for air, ground and maritime forces during combat.

The nMT is an environmentally rugged and compact data link system that enables Group 2-3 Unmanned Aircraft Systems (UAS) platforms to be compliant with the Department of Defense (DoD) Common Data Link Policy, while ensuring ISR and Command and Control (C2) data transmissions are secure and service interoperable.

The nMT is a multi-band transceiver specifically designed to address limited size, weight and power (SWaP) constraints of smaller ISR platforms. The transceiver supports L, S and C bands and includes the latest Type-1 encryption technology.

Specifications

General Features	
Low SWaP multi-band full duplex CDL radio	
Ethernet Interface	
Up to 21.42 Mbps	

Encryption	
Type-1	

Waveforms	
BE-CDL Rev B, Mode 1-8, Mode-101 and Mode-104	
466ER	
Tactical	
VNW	

SWaP	
Size	5.05" H x 2.25" W x 0.6" D
Weight	0.5 lbs
Power	18-25 Watts

Frequency band of operation	
C-band	4400 MHz – 4990 MHz
S-band	2025 MHz – 2500 MHz
L-band	1755 MHz – 1850 MHz
L-band	1350 MHz – 1390 MHz

Transmit output power	
2 Watts	

Control Interface	
SNMP	

Environmental and EMI/EMC Specifications	
Environmental	Vibration and Shock Humidity, MIL-STD-810G MIL-STD-810G
EMI/EMC	MIL-STD-461F
Operating Temperature	-37°C to + 55°C
Operating Altitude	Up to 20,000 Feet

Cubic's nMT Heritage

The nMT is the latest evolution of Cubic's miniaturized software-defined radios with Type-1 encryption. For more than two decades, Cubic has designed, manufactured, integrated and deployed transceivers for the DoD-mandated ISR Common Data Link (CDL) which is used universally by tactical and strategic airborne, terrestrial and maritime vehicles.