



Innovative, Intelligent and Power-Efficient Wireless Connectivity Solutions for Everything and Everywhere

CNT-M2

We redefine «cutting-edge» in wireless communication solutions by introducing the CNT-M2 product line. It's fantastic how such advanced and scalable power can pack into a small, affordable device. The CNT-M2 provides the versatile potential to elevate your operations. It is the most advanced, scalable, and most affordable intelligent Mobile ad-Hoc networking system. The self-forming, self-healing abilities of this innovative product line allow flawless connectivity to a broad range of mission-critical applications.

The CNT-M2 module is easily integrated into any platform and application to add a valuable capability of launching new and advanced products in the market.



Drones



Robots



UAV



Command and control

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Main features



Cognitive,
high-capacity radio



Mobile Ad-Hoc
network



High data rates



Low latency



Line- and Non-Line
of sight operation



Suitable for stationary
and mobile solutions



Secure, reliable
IP network



Affordable,
lightweight units

Mobile Ad-Hoc Network



Self-healing
and self-forming



No master node



Peer-peer on
demand routing



Decentralized
management



Unlimited number
of hops



Efficient multicast
support



Data flooding
support

Technical Data

Radio

Frequency Range

UHF, SBAND, CBAND

Capacity

Up to 40Mbit aggregated throughput for the network
(Actual throughput depends on range and environmental conditions)

Channel Bandwidth

Configurable: 2, 4, 8 and 16 MHz

Modulation

SC-FDE BPSK/QPSK/16QAM/64QAM

Duplex Technology

TDD

Adaptive Modulation & Coding

Supported

Transmission Power

<1W, Adaptive

Diversity

Supported

Adaptive Data Rate

Supported

Spectrum Sensing

Supported

Ethernet Interface

Layer 2/HUB Mode/QOS

Immunity and Security

Frequency Hopping

Up to 250hps

Encryption

AES256

Cognitive Radio

Adaptive frequency

Mechanical

Weight

From 120gr

Dimensions

From 85x45x35mm

Interfaces

Ethernet

Supported

RS232

Supported

Power

Power Supply

9-18VDC

Power Consumption

<10W

Environmental

Operating Temperature

-40°C to +85°C

If frequency band, features or other information is not listed, please contact.