ENABLING HIGH CAPACITY MOBILE COMMUNICATIONS

- On-the-move and on-the-pause operational use
- Designed for Point-to-Multipoint (PMP) and mesh topologies
- IP connectivity for guaranteed interoperability
- Embedded crypto AES256
- Single channel and WiFi extension

T.N. 4105 VEHICULAR HCLOS
Compact, High Capacity Transmission System
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Compact, High Capacity Transmission System

OPERATIONAL ENVIRONMENT
T.N. 4105 Vehicular HCLOS is a key transmission component of the widely-deployed Thales Nexium Theatre solution and serves as a high capacity on-the-move mesh or remote station at the tactical edge. It offers one software-defined channel and one WiFi channel. Designed to enable reliable high-capacity communications for land operations, T.N. 4105 Vehicular HCLOS operates in high threat environments.

TECHNICAL PARAMETERS

RADIO
- **Frequency:** Band IV (4400–5000 MHz) or Band III (1350-1850 MHz) or Band III+ (1350-2690 MHz) and ISM (2.4 and 5.8 Ghz)
- **Throughput:** up to 80 Mbps for SDR channel, 230 Mbps for system
- **Radio access:** Time Division Duplex (TDD)
- **Channel Size:** from 3.5 to 40 MHz
- **Transmit Power:** Max 36 dBm
- **Security:** embedded crypto: AES-256
- **Adaptive MIMO:** MIMO A and MIMO B

ANTENNA
- Antennas adapted to your mission needs

OTHER CAPABILITIES
- Smart Graphical User Interface or SNMP V3
- **Power:** MIL STD 1275
- **Overall Size:** 163*300*287mm
- **Weight with power supply and cradle:** 8.1 kg
- **Operating Temperature:** -40°C/+60°C
- **Environmental MIL-STD-810G, EMC MIL-STD-461F IP67**

WAVEFORM LIBRARY
- Point-to-Multipoint (PMP) and high capacity on the move mesh

OPTIONS
- Frequency hopping waveform

Tactical Network with High Capacity LOS

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