



LEONARDO Germany GmbH

Deployable Network Mission Module (DNMM)

– QUICK REACTION SYSTEM –



The Deployable Network Mission Module (DNMM) – Quick Reaction System - is the key component for agile network solutions. Mounted on a small but fully off-road capable vehicle, it offers a new level of mobility and performance. The module provides a rapidly deployable and reliable IT infrastructure in all climatic zones and operational environments, making it a key enabler for the establishment of command and control capabilities in distributed, dynamic or contested operational environments and close proximity to the frontline, while reducing deployment time and operational footprint. The capability profile is designed to meet the requirements of light, medium and heavy forces across the full spectrum of operations.

Key Benefits

Highly deployable

Rapid deployment and operational readiness within a minimal timeframe.

High Mobility

Optimized for agile operations and access to areas where larger communication systems may be restricted.

Platform Independent

Suitable for integration on a wide range of light and medium tactical vehicle platforms, featuring all-wheel drive and high ground clearance for enhanced cross-country mobility.

Low Operational Footprint

Reduced logistical effort, lower signature and increased operational flexibility.

Operational Flexibility

Supports a broad spectrum of military operations ranging from homeland defence to expeditionary deployments.

Nato-Compatibility

Designed to support integration into existing and future communication architectures as well as multinational operations.

Modular Architecture

Adaptable to mission-specific requirements according to operational needs.

Storage System

The intuitive storage system with pull-out drawers is derived from concepts proven in emergency response and firefighting vehicles, ensuring rapid access to equipment and efficient storage with no further need for additional load securing.

Technical Specifications

Power Supply:	Input voltage 230 V AC, integrated 100 Ah battery with optional charging via solar panel
Telescopic Masts:	Height of 6 m for crossing traffic routes with up to six fiber-optic field cables
Cable Equipment:	12 cable reels each with 200 m fiber-optic field cable SM or MM; 2 cable reels each with 1000 m fiber-optic field cable SM or MM
Adapter Cables:	HMA-ST, HMA-LC, HMA-SC, ST-ST, ST-SC (as of MM and SM)
Equipment:	Integrated pull-out work surface, whiteboard, battle damage repair kit for fiber-optical cables, crimping tools and network connectors, hand tools, media converters with HMA adapter cables, set of cable installation tools, streetlight pole clamps, backpack frame for cable reels, storage boxes for miscellaneous accessories and personal equipment, cable protector ramps, floor cable ducts, ladder
Dimensions (L/W/H):	3000 x 2000 x 1700 mm (w/o vehicle)
Gross Weight:	approx. 2000 kg (w/o vehicle)
Operational Readiness:	Provides immediate operational capability upon arrival at the deployment location
Environmental Resistance:	-40 to +49 °C
Compatibility:	Compatible with NATO structures and civilian commercial standards

Operational Scenarios

Mobile Command Support

Provision of high-performance network connections for digital land-based operations and mobile command posts.

Rapid Force Deployment

Provides seamless support to units during the critical early stages of deployment until permanent communication infrastructure is established.

Distributed Operations

Enables reliable network connectivity and support for geographically dispersed forces operating across extended operational areas.

Network Recovery Operations

Rapid re-establishment of communication capabilities in response to disruption, degradation or force relocation.

Expeditionary Operations

Provides rapidly deployable communication capabilities to support highly mobile forces operating in dynamic and expeditionary environments.

Homeland and Collective Defence

Provides resilient communication and command-support capabilities for national and multinational forces engaged in territorial and collective defence operations.

Cyber Defence

Provision of low-signature and operationally secure data links within operational theaters.

NATO & Multinational Exercises

Basis for interoperable C3 / C4 core architectures

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