





# **SDMN<sup>®</sup> Container**



The deployable SDMN<sup>®</sup> container is the future-proof shell for IT integration. It can be customized for a variety of operational purposes and can be transported in its racked state by truck, rail, or aircraft.

The design and implementation of the container combines innovative, high-performance IT with a modern and highly functional workspace. The separation of energy, climate control, technical equipment, server, and work areas addresses the diverse requirements of personnel and technology. In accordance with the SDMN<sup>®</sup> concept (Software Defined Mission Networking), all functions are software-defined within the container: from WAN network nodes to mission-specific data centers.

# Mission ready: flexible - deployable - high performance

The SDMN<sup>®</sup> container for modern IT integration in the field

- X 20-foot ISO container shell
- X flexible, customizable installation system
- **X** quick deployment in national and alliance defense scenarios
- **X** three ergonomic and functional workstations
- **X** autonomous energy supply
- X separation of technical, server and workspace environments
- X operational in three NATO climate zones: A1, B3, C1





### Three separate functional areas

#### Power, climate, and technical equipment room

The container is equipped with an integrated, high-capacity 15 kW generator for autonomous power supply. For easy maintenance, the generator can be pulled out using heavy-duty rails. This also allows for the simultaneous power supply of a second container.

#### Server room

The separate server room houses a 42U server rack that is vibration- and shock-isolated to accommodate modern IT components. Depending on the required capacity, variants with up to three server racks are also available.

#### Work area

Designed to be modern, highly functional, and ergonomic, featuring a modular, customizable installation system for ample storage space. Details such as dual monitor setups, computer peripherals stowed in desk cabinets, and adjustable LED lighting ensure maximum functionality and comfort. Comprehensive control of lighting, air, and power is provided via a modern KNX system, along with an integrated air conditioning system for optimal temperature regulation across all climate zones.

#### Software Defined Mission Networking (SDMN®)



The future-proof SDMN<sup>®</sup> concept enables the complete virtualization of all operational functions required in operation entirely on a software basis. It moves away from the tradictional tight link between hardware and software and thus describes a network architecture that offers the highest degree of virtualization, flexibility and scalability. For military missions, this approach provides the advantage of rapid operational readiness and the quickest possible availability of services in defense scenarios. It results in optimized resource utilization and enhanced IT resilience. SDMN<sup>®</sup> also ensures vendor-neutral interoperability, similar to that required in FMN (Federated Mission Networking) environments.

As a platform-independent framework, SDMN<sup>®</sup> forms the obligatory standard for any new development of military IT infrastructures by dainox<sup>®</sup>. Automation and orchestration are managed through our web-based software tool AutOr<sup>®</sup>.



## www.dainox.net



# dainox®

dainox GmbH Hans-Böckler-Str. 5 86825 Bad Wörishofen info@dainox.net



