



# Rugged vehicle-mount computers for defense integration

**Mission-ready. Integration-ready.**

For over 30 years, JLT Mobile Computers has partnered with leading system integrators to deliver rugged, fixed vehicle-mounted computers and terminals (VMTs) that perform in the world's toughest environments. Purpose-built for military and defense operations, our NATO-coded VMTs power mission-critical systems across navigation, logistics, communications, and command and control.

Whether integrating into transport fleets, mobile command centers, or tactical platforms, JLT is your ideal partner for commercial off-the-shelf and customized VMTs for vehicles and defense platforms. We deliver commercial off-the-shelf (COTS) and customized VMTs, designed to meet strict military specifications, backed by streamlined engineering, complete documentation, and expert support from evaluation through to end-of-life (EOL).



# Established and lean system integration of nato coded rugged computers

## Built for the most challenging defense environments

JLT's rugged vehicle-mounted computers meet MIL-STD-810H and IP65/IP67 standards and are built to perform in demanding defense scenarios, withstanding shock, vibration, extreme temperatures, and electromagnetic interference.

## Adaptable computing powers for any scenario

Designed for fixed installation in military transport and tactical vehicles, each unit is available with a broad range of Intel® Core™ processors, flexible memory and storage configurations. Compatibility with Linux, Windows 11 IoT LTSC, or customer-supplied operating systems.

## Ready for defense connectivity

Our computers support advanced connectivity options, including 5G, Wi-Fi 6E, Bluetooth, and GPS/GNSS upon request. VMTs without connectivity are also available. We provide interfaces for SATCOM terminals, mesh radios, and secure communication systems. With wide input voltage ranges, multiple rugged I/O ports, CAN bus integration, and sealed MIL-grade connectors, our computers integrate seamlessly into modern defense platforms.

## Meets cybersecurity and compliance

Support for TPM 2.0, secure boot, and optional encryption ensures system integrity and security. Our systems can be configured to meet national defense cybersecurity requirements and are NCAE (NATO Cage Code)-ready, making them suitable for international defense deployments.

## COTS or customization: We deliver what you need

Looking beyond standard products? We build bespoke VMT solutions—custom connectors, mounts, antennas, interfaces, and branding—to meet your exact integration needs. From prototypes to large-scale rollouts, we deliver on time, on specification, and on mission.

## A proven, lean integration process

We work closely with integrators throughout every stage of a defense project—evaluation, customization, staging, deployment, and ongoing lifecycle management. Our team brings expertise in military procurement, traceability, and documentation, ensuring projects are compliant and integration timelines are minimized.

## Precision-made in Sweden

Every VMT is designed, developed, and manufactured entirely in Sweden. By keeping our production in-house, we maintain full control over quality, timelines, and customization capabilities. This vertical integration ensures each computer meets the highest standards of durability, performance, and traceability—essential for defense applications. Our Swedish production facility enables us to deliver tailored solutions with speed and precision, supporting both standard COTS products and customized OEM builds.

## Designed for long-term projects

With product lifecycles of up to 15 years, we support integrators over the full course of long-term defense contracts. We provide proactive component monitoring, spare parts availability, and EOL management to maintain readiness and reduce lifecycle risk.

## Predictable service and support that keeps you mission-ready

We customize the process to meet the needs of system integrators and guarantee the fastest turnaround with maximum uptime. Our JLT:Care program guarantees a 3-day service turnaround, 24/7 RMA registration, and real-time tracking, making it easy for system integrators to plan deployments, reduce downtime, and control total cost of ownership.



# Proven fit for the defense ecosystem

JLT's fixed vehicle-mounted computers are designed for seamless integration into a wide range of defense scenarios. Whether deployed in the field, in transit, or training environments, our VMTs support critical military operations with reliable performance, robust connectivity, and full configurability.

## Command and control operations



Our systems serve as fully configurable command and data hubs, supporting encryption and integration with mission-specific military systems. They provide a secure and rugged platform for running field applications that are vital for real-time decision-making and operational execution.

## Enhanced situational awareness



With the capability to run multiple applications—including mapping, tracking, and geolocation systems—our VMTs deliver enhanced situational awareness to military personnel operating in dynamic environments. The hardware is optimized to provide immediate, actionable information under any conditions.

## Transportation and asset movement



During active transport missions, our VMTs can be integrated with vehicle systems to support geolocation tracking, route planning, and asset visibility. This ensures effective coordination of troops, vehicles, and supplies across large-scale operations.

## Military logistics management



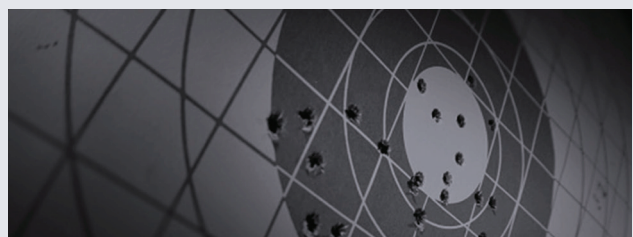
In warehouse or depot environments, JLT VMTs enable precise inventory tracking using barcodes, OCR, and other logistics software. The systems provide robust, always-on connectivity for logistics command centers and mobile storage units.

## Tactical Communications support



Integrated with SATCOM terminals, external antennas, encryption tools, and RF-blocking features. This ensures secure, reliable communication in both fixed and mobile command structures.

## Training and simulation



Our rugged computers are also well-suited for training environments, with the ability to run simulation applications, display interactive technical documentation, and deliver step-by-step instructions. They provide a durable, high-performance solution for building mission readiness among military personnel.



# JLT defense system integration examples



## **Customer request: Tailored COTS rugged computer ready to deploy**

The customer approached JLT directly as they had been aware of JLT's extensive portfolio of rugged computers. They specifically asked about OEM customization of a commercial off-the-shelf (COTS) rugged computer, providing detailed specifications, rather than building their own computer.

## **Solution: 10-inch and 12-inch rugged computers for warehouse logistics**

We delivered two different branded and customized OEM versions of our standard rugged computer, available in 10-inch and 12-inch sizes, which the customer sold within the NATO community to manage warehouse logistics for supplies and provisions for the military.

## **Customer benefits: a branded computer for faster time to market**

With our customized COTS rugged computer tailored to their needs, the customer did not have to invest their resources in developing their own version of the rugged computer. By working closely with them, we helped the customer save time and enable faster deployment.



## **Customer request: Integrated rugged for control and command operations**

The customer needed a rugged computer to support their mobile operations hub while out in the field. Smaller hardware changes and it needed to be certified for military use and have a long life span.

## **Solution: Rugged computer integrated with communication systems**

A configurable and secure JLT rugged computer to manage internal communications among the military units. The unit was customized to remove some of the standard radios and extend operational as well a storage life time by redesigning the ability to do field replacement of the batteries, and we also setup a specific process for handling spareparts.

## **Customer benefits: purpose-built rugged computer for central communications**

The customer received a secure and rugged computer designed for running field applications that are vital for real-time communication, decision-making, and operations, with an extended life span to last for at least 15 years.



# JLT defense system integration examples



## **Customer request: Enhancing military truck safety**

A vehicle manufacturer was seeking rugged vehicle-mount computers designed to support military truck defense, specifically to prevent blind spots in vehicles.

## **Solution: Pre-Integrated 12-Inch rugged computer for communication and situational awareness**

JLT's 12-inch rugged vehicle-mount computer with built-in support for military battle network systems, meaning the device is pre-integrated or compatible with command-and-control (C2) networks, battlefield communications, and situational awareness platforms.

## **Customer benefits: Plug-and-play deployment with system compatibility**

The customer received a fully pre-configured solution that was compatible with their systems and suitable for immediate deployment. OEM-branded to fit the customers system offering.



## **Customer request: Precision target training in the field**

A provider of cutting-edge systems and solutions for defense and civil protection required customized, rugged computers for field use during marksmanship training with a light mobile target mover.

## **Solution: Customized JLT6012 without connectivity or battery**

JLT delivered customized rugged computers, the JLT6012, that were devoid of any connectivity technology, such as Radio Frequency Identification (RFID), Wi-Fi, Bluetooth, Wireless Local Area Network (WLAN), Wireless Wide Area Network (WWAN), and the Uninterruptible Power Supply (UPS) battery was removed.

## **Customer benefits:**

With our tailored JLT6012, the customer received a ready-to-use lab and field-tested device specifically designed to meet their needs, rather than having to modify their system to accommodate a standard device. Our rugged computer is a verified, flexible, and cost-effective solution that supports the customer's versatile and self-sufficient target system in the field, making it ideal for realistic and flexible training scenarios.

# About JLT Mobile Computers

JLT Mobile Computers is a leading developer and supplier of rugged mobile computing devices and solutions for demanding environments. 30 years of development and manufacturing experience have enabled JLT to set the standard in rugged computing, combining outstanding product quality with expert service, support and solutions to ensure trouble-free operations for customers in warehousing, manufacturing, defense, mining, ports and agriculture. JLT operates globally from offices in Sweden, France, and the US, complemented by an extensive network of sales partners in local markets. The company was founded in 1994, and the share has been listed on the Nasdaq First North Growth Market stock exchange since 2002. [Learn more at www.jltmobile.com](http://www.jltmobile.com)



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