



Maximized TEU Throughput with JLT Rugged Computers

JLT Mobile Computers leverages over thirty years of designing and engineering the most reliable, high performance, rugged vehicle-mounted computers tailored to the most demanding industries. Twenty-five of those years have been dedicated to serving the container terminal industry.

Purpose-built to withstand the harshest environments and toughest port conditions, JLT's computers ensure seamless communication and maximize container TEU throughput.





Leading Container Terminal Networks Trust JLT for Their Operations Critical Real Time Data Capture



Container terminals must be resilient to disruptions and improve the port's capacity, productivity, and container throughput. Our rugged computers are the backbone for data capture and reliable communications to manage these challenges and operate efficiently. Currently used in all leading container terminals networks worldwide, from Europe, the Americas, the Middle East to Africa and Asia, our computers are central to facilitating thousands of daily tasks, including managing Container Handling Equipment (CHE) tasks and ensuring smooth logistics around the clock.

The Most Reliable Computers for Unreliable Conditions

Container terminals are no place for fragile computers. From storms to snow, from dust to dirt, the environment punishes anything that's not built to last. That's why our rugged computers endure extreme conditions and perform.

Whether it's snowing on the Baltic coast or blazing hot in the Middle East, JLT computers are designed to operate from extreme cold -30°C to extreme heat +55°C. Proximity to the ocean means high winds and nonstop exposure to salt and fine dust, so our computers are protected and sealed against salt, dust, and corrosion. Crane cabins and terminal trucks are full of jolts, but JLT rugged computers are built to withstand shocks and vibration. Gloves, dirt, and quick movements are no problem as our computers are glove-friendly and operator-proof. Whether under the midday sun or the dock lights at 3 a.m., JLT displays stay readable and responsive for perfect visibility, day or night.

Navis Ready and Guaranteed for Seamless TOS Integration:

Used by many container terminals in the network of leading operators, the units operate with most of the TOS in the market. With Kaleris we have successfully passed Navis Ready validation for the last 10 years which we will continue to do. As a result, container terminals can depend on seamless TOS integration.

Equipped with the Latest OS, Connectivity and Security:

We deliver high-performance data throughput and ultra-low latency to ensure seamless communication between port operations, equipment, and central management systems. Because container terminals cover a wide and heavily congested area, our computers feature the latest connectivity technologies.



Our Computers Include:

- Windows 10 or 11 IoT Enterprise LTSC with security updates until 2034
- Powerful processor capacity
- Advanced connectivity options for Wireless Wide Area Network (WWAN), 4G/5G and Wi-Fi 6/6E
- Dual-diversity PIFA WLAN antennas
- Unbreakable JLT PowerTouch-display
- Latest security and encryption protocols



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Internal Components Are Ruggedized and Stabilized to Prevent Wear and Failure

Rugged for the Most Demanding Environments

Durable for All Weather and Conditions

Whether in extreme cold or heat, rain or sun, our computers are built to endure severe temperature fluctuations. They are completely dust and watertight (Ingress Protection ratings of IP65 or IP66). The fanless design prevents moisture buildup, heated touchscreens keep displays responsive in freezing weather, and rugged casings withstand snow, sleet, and sun exposure. Corrosion-resistant materials protect against salty air and long-term exposure. The user-friendly capacitive touch screen features JLT PowerTouch™ technology, and the hardened unbreakable glass or Resistive touch screen operates even when using gloves, offering sunlight readability.

Withstands Shocks and Vibrations

Container handling equipment like straddle carriers, reach stackers, ship-to-shore cranes, and other heavy machinery vibrates during operations and is vulnerable to shocks. Designed to be ultra-rugged, our computers are 4MIL-STD-810 certified for vibration, impact resistance, and rough handling, complying with IEC 60068-2-64 vibration testing and IEC 60068-2-27 shock testing. Internal components are ruggedized and stabilized to prevent wear and failure.

JLT Product Portfolio Use Cases

- ✓ Ship-to-Shore (STS), Rubber-Tyre-Gantry (RTG), and Rail-Mounted-Gantry (RMG) cranes to run the TOS application or OCR of container identification.
- ✓ Reach stacker, forklifts and straddle carriers lift operations for container and port yard management.
- ✓ Gate Operating System for Optical Character Reading (OCR) or damage inspection for road and rail gates.
- ✓ AI applications such as Automation Apps providing real-time views of active work queues, ship loading plans, and approaching terminal tractors.
- ✓ Terminal asset management, including crane positioning (DGPS and RTLS), UTR and street truck positioning.
- ✓ Handheld applications such as exception handling and supervision.



JLT Rugged Vehicle Mounted Computers: **Built To Perform. Engineered To Last.**

At JLT, we don't just build rugged computers—we provide solutions designed to perform in the most demanding environments. We combine the best: robust hardware, intelligent software, and dedicated support. The result? High-performance solutions built to last. If you're navigating the complexities of container terminals, we deliver the power and reliability you need to ensure optimal container throughput and better port productivity.

Improve your **Container Terminal TEU** output:

Here's Why JLT Is the Top Choice

Proven Track Record – Decades of Expertise

We are experts in our industry, with 30 years of experience in rugged IT and over 25 years in container terminals. Many terminals in the leading networks, depend on our solutions, and we have been validated for Kaleris N4 TOS for over a decade, ensuring seamless TOS integration. We deliver industry experience you can rely on.

Specialized Product Focus – Rugged Vehicle-Mount Computers

JLT has excelled at designing and manufacturing rugged vehicle-mounted computers built to endure the harshest environments. Our specialization ensures unmatched durability and performance, with a product lifecycle of up to 15 years.

This makes us the go-to choice for industries such as container terminals, agriculture, forestry, and mining.

Customized Solutions Just for You and Precision-Made in Sweden

One size doesn't fit all. Our high-touch customer approach means we actively listen, understand your needs, and tailor solutions to your unique challenges and operations. We provide personalized, expert-level support and consultation. Whether you're planning upgrades or a greenfield deployment, our team of highly experienced JLT experts and system integrators supports you every step of the way. We handle every aspect of design, development, and manufacturing on-site in Sweden. This in-house process guarantees rigorous quality control, unmatched reliability, and the flexibility to deliver customized solutions tailored to your unique needs.



Unmatched data throughput and latency for fast, reliable connectivity and performance

Protected Investment From Day One

Our rugged devices combine the latest, most relevant technology—purpose-built for harsh environments—with the most durable and hassle-free design available. Some of our computers have been running strong for over 15 years in the field. That's long-term value you can count on, even in the toughest conditions.

Future-Proof by Design

Thanks to our in-house development and a strong focus on both technology and real-world rugged use, we can upgrade our devices with the latest innovations without compromising durability or performance. When your environment changes, your JLT device is ready to adapt and protect your long-term investment.

Unmatched Data Throughput and Low Latency for Fast, Reliable Connectivity and Performance

JLT delivers high-performance data throughput and ultra-low latency for seamless communication among port operations, equipment, and management systems. With high-performance antennas crafted explicitly for each model, you get powerful connectivity where it matters most. Powered by the latest technologies, such as Wi-Fi 6, 4G/5G, and GNSS, our computers guarantee reliable, stable connectivity even in the most demanding port environments.

Robust It and Cybersecurity Features to Ensure Your Operations Remain Secure

JLT products comply with CE marking and adhere to the latest industry standards. Every device has state-of-the-art Trusted Platform Module (TPM) encryption with continuous software updates. Additionally, our rugged computers include tamper plates designed to prevent unauthorized access to cablings and connectors, providing an extra layer of physical security you can trust.

Versatile Product Portfolio and Satisfied Users

JLT devices are ideal for many tasks and offer significant advantages when a compact form factor is required. Whether running a thin or a thick client with multiple functions, the combination of advanced connectivity, processing power, storage, and display options ensures consistent high performance and operational efficiency. Designed with your workforce in mind, our computers feature ergonomic buttons, adjustable brightness, flexible mounting solutions, and user-friendly displays.

Fastest Turnaround with Maximum Uptime

Failsafe operations are part of our DNA. JLT:Care ensures maximum uptime with a 3-day turnaround and seamless transportation. With 24/7 RMA registration and real-time tracking, we simplify planning and predicting the Total Cost of Ownership while ensuring a stress free experience.



About JLT Mobile Computers

Reliable performance, less hassle. JLT Mobile Computers is a leading supplier of rugged mobile computing devices and solutions for container terminal operators. Operators depend on JLT computing devices across all their container handling equipment to ensure seamless business operations 24/7. With nearly 30 years of development and manufacturing experience, we have set the standard in rugged computing by combining exceptional product quality with expert service, support, and solutions. Our solutions ensure trouble-free business operations in warehousing, transportation, manufacturing, mining, ports, and agriculture.



Let's Connect

Learn more about how JLT solutions can support your business.



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