



Application Story



Streamlining Coastal Logistics with RuggON SOL 7 12" Rugged Tablet

Region: North America

Industry: Logistic

Solution: 12" Rugged Tablet SOL 7

Overview

A logistics provider operating in a storm-prone coastal region faced mounting challenges transporting goods across ports, warehouses, and delivery routes. The area's high humidity, frequent hurricanes, and salt-laden air demanded a reliable device that could handle real-time communication, route navigation, and inventory tracking—without compromising performance during long shifts through both rural and urban environments.

Challenge

The company's existing tablets were not built for the coastal climate. Screens were nearly impossible to read under direct sunlight, and touch functionality failed during rain. Devices frequently suffered from corrosion and water damage, while limited battery life caused shutdowns mid-shift. In areas with poor cellular coverage, communication with dispatch was often interrupted. Workers also struggled with slow barcode scanning, limited photo capture capability, and fragile devices that easily broke when dropped on hard, wet surfaces—compromising productivity and increasing operational delays.



RuggON Solution / Product Highlight

To overcome these issues, the company deployed the RuggON SOL 7 rugged tablet.

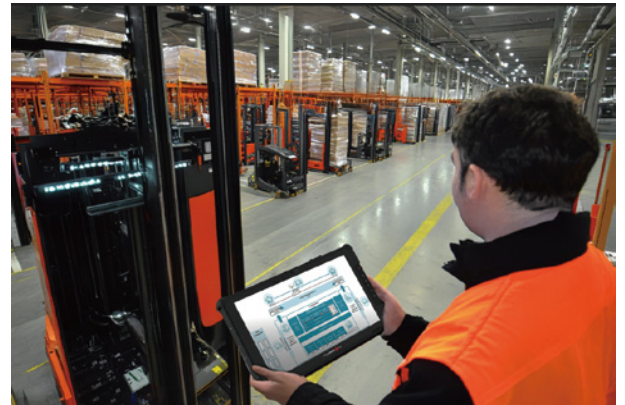
Powered by an Intel® Core™ Ultra processor and equipped with up to 1TB of M.2 SSD storage, the device provided ample speed and space to handle logistics software and offline maps. Its IP65 rating and MIL-STD-810H certification ensured protection against dust, water, and 5-foot drops, while the wide operating temperature range—from -20°C to 63°C—kept it running in extreme weather conditions.



The 12-inch QHD+ display, with 1000 nits of brightness, offered exceptional visibility even in direct sunlight. Its rain-rejection and glove-touch technology allowed workers to operate it effortlessly during stormy loading processes. With Wi-Fi 7, optional 5G Sub-6G, and dual SIM support (including eSIM), the tablet stayed connected by switching networks in areas with weak signals, ensuring seamless communication throughout delivery routes.

An integrated 2D barcode scanner and NFC reader enabled quick, contactless verification of shipments, while the 11MP rear camera with LED flash captured clear proof-of-delivery images—even in early-morning or low-light conditions. The dual hot-swappable 3010mAh batteries delivered up to 11 hours of runtime, and supported fast charging with 50% capacity reached in just 50 minutes. Meanwhile, a built-in smart thermal management system based on Intel® DTT prevented overheating, keeping the device stable during high workloads in summer heat.





Result

Since adopting the SOL 7, the company has reported significant improvements in efficiency and reliability. During a recent hurricane season, drivers relied on GNSS navigation to reroute around flooded areas and still complete deliveries on time. Warehouse teams saw a 25% boost in scanning speed, improving inventory accuracy and reducing turnaround times.

One notable example came when a driver dropped the tablet on a wet concrete dock during a storm. Despite the impact and rain, the SOL 7 continued functioning without issue. Workers also appreciated the lightweight design and programmable buttons, which allowed them to quickly access navigation or scanning functions—even while handling packages in challenging outdoor conditions.

Conclusion

The RuggON SOL 7 has proven to be a transformative tool for logistics operations in harsh coastal environments. With its rugged durability, strong connectivity, and performance-driven features, it empowers teams to operate efficiently and confidently, rain or shine. With future-ready options like RS-232 and RJ45 ports, the SOL 7 also offers expansion potential for dockside systems, helping the company scale and maintain its reputation as a dependable logistics partner—no matter the weather.

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