



Deploying Fully-Rugged Durabook U11 Tablet Improves Inventory Management Efficiency

CHALLENGE

Improve efficiency of Durabook Americas' inventory management system to address growth and customer needs.

SOLUTION

Reviewed Durabook product portfolio and identified the Durabook U11 as the ideal product given its integrated barcode scanner, functionality, and portability.

RESULT

By deploying the Durabook U11 as an inventory management solution, Durabook Americas was able to significantly reduce picking errors, improve efficiency and reduce costs.



The difference our products make in the day-to-day operations of our customer's and our own business is all the proof we need that Durabook products deliver a real return on investment.

— Tom Wang, C.O.O. Durabook Americas.



Warehouse Case Study

Business Growth Challenges Current Inventory Management Solution

On a daily basis, the company managed hundreds of incoming parts, outgoing finished products, service orders, and more. To manage the inventory management process, the company used laptops, barcode scanners, and paper to track incoming and outgoing inventory. To pick the oldest goods from shelves—first-in, first-out—the warehouse technician would print out a list of serial numbers, then match that information with items on the shelf. Those items would be brought back to a workstation so that serial numbers could be scanned into the ERP system. The process required the management of multiple devices and their respective warranties. It also lacked mobility, resulting in a high level of paper usage and picking errors.



AS ITS BUSINESS EXPANDED, THE EXISTING PROCESS WAS NOT ABLE TO SUFFICIENTLY SCALE TO MEET CHANGING NEEDS. TO PROVIDE THE LEVEL OF SERVICE ITS CUSTOMERS EXPECTED, THE COMPANY NEEDED TO UPDATE ITS INVENTORY MANAGEMENT SOLUTION.



Finding the Right Solution

Durabook Americas reviewed its portfolio of rugged mobile devices to determine the ideal solution. The right device for the job needed to fulfill following requirements:

1. Exceptional connectivity: The inventory status updates could be made and reviewed in real time.
2. A high level of durability: To withstand the drops and dust in a warehouse.
3. A screen viewable in varying light conditions.
4. Serve as a mobile ERP terminal.
5. A camera to capture detailed images for reporting purposes.

After careful consideration, the Durabook U11 fully-rugged tablet was selected.

Improvements Immediately Noticeable

Once the Durabook U11 was deployed, efficiency improvements were immediate. The use of a single integrated device that combined exceptional connectivity, a scanner, clear terminal, and a camera in a highly rugged and mobile package allowed the warehouse workers to complete their job in a single location, reduce the use of paper, lower picking errors and improve efficiency.

Before the introduction of the Durabook U11, the company used upwards of 200 sheets of paper a day. That number has been reduced to approximately 10, resulting in savings they estimate to be \$10,000 per year. In the six months Durabook has had its U11 solution in place, the company has reduced its picking errors by two percent, resulting in a savings of \$125,000. For every 100 items received, Durabook is estimating a 7.8-minute improvement in efficiency and an 11-minute improvement efficiency in the same volume of items picked.



“While we have seen these types of results with our customers in the field, it’s still impressive,” said Tom Wang, C.O.O. Durabook Americas. “The difference our products make in the day-to-day operations of our customer’s and our own business is all the proof we need that Durabook products deliver a real return on investment.”



ABOUT DURABOOK AMERICAS INC.

Durabook Americas, Inc., the North American subsidiary of Twinhead International Corporation, has seen elevated demand for its ruggedized laptops and tablets driven by the growth of an increasingly mobile and connected workforce. The company and its Durabook brand have a loyal customer base. Its devices are used by most branches of the U.S. Armed Forces, public safety agencies across the country, numerous field service organizations, as well as companies in oil & gas, logistics, healthcare, utilities, and automotive markets.



Durabook Recommends Windows®

