EMPOWERING INNOVATION: HOW HONEYWELL BOOSTED RUFUS LABS' MOBILITY DEVICE PRODUCTIVITY

Case Study

Discover how Honeywell's N6703 scan engine was able to improve Rufus Labs mobility devices' performance, enabling their customers to achieve heightened productivity and efficiency.

Honeywell

Rufus Labs aimed to enhance the operational efficacy of their devices by upgrading the scan engines in their rugged mobile Android devices, the Rufus Cuff Pro3 & RADD Tab 2 tablet, and their innovative Scan2 wearable barcode scanner. That's why they leveraged the powerful Honeywell N6703 Scan Engine.

Rufus Cuff Pro3 on charge bay

OVERVIEW

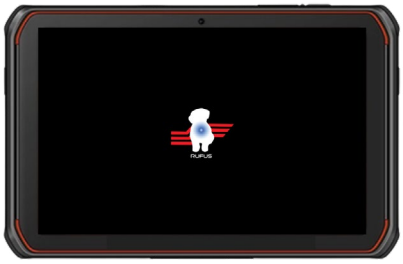
Rufus Labs, headquartered in Los Angeles, California, specializes in developing rugged barcode scanners and AI-powered labor analytics solutions. With a dedicated, US-based team of logistics experts and engineers, Rufus has been at the forefront of enhancing workforce operations for Fortune 1000 companies worldwide in their warehouses since 2019. Their flagship platform, WorkHero, integrates barcode scanners, human automation, labor intelligence, and mobile device management into a unified subscription service.

In partnership with Honeywell, Rufus successfully implemented the N6703 Scan Engine into their mobility devices, specifically the Rufus Cuff Pro3, RADD Tab 2, and Scan2 wearable barcode scanners, enabling their customers to achieve heightened productivity and efficiency.

PARTNERSHIP OBJECTIVES

Rufus Labs aimed to enhance the operational efficacy of their devices by upgrading the scan engines in their rugged mobile Android devices, the Rufus Cuff Pro3 & RADD Tab 2 tablet, and their innovative Scan2 wearable barcode scanner. The specific goals included:

- Improving Laser Scanning Performance: Ensuring that the scanners could efficiently read a wide range of barcodes under various conditions.
- Extending Battery Life: Allowing warehouse workers to use the devices for extended periods without frequent recharging, thereby increasing productivity.
- Enhancing Accuracy and Reliability: Delivering superior performance to reduce errors in scanning, which is critical in fast-paced warehouse environments.



Rufus Radd Tab2 tablet

Rufus Scan2 ring scanner

Honeywell

SELECTION OF HONEYWELL TECHNOLOGY

After an extensive testing phase involving multiple scan engines, Rufus Labs identified the Honeywell N6703 Scan Engine as the most suitable for its devices and specific applications. Several factors influenced the decision:

- Performance: The N6703 Scan Engine demonstrated superior capabilities in real-world testing scenarios.
- Reliability: The long-standing reputation of Honeywell products for durability and consistent performance in demanding environments.
- Support and Collaboration: Honeywell's team provided substantial resources and support, ensuring that Rufus Labs could integrate the new technology efficiently.

Within 60 days of finalizing the partnership, Rufus successfully implemented the Honeywell N6703 series scan engines into their products. The changes were well-received by both the internal team and customers, who noted significant performance improvements.

OPERATIONAL IMPROVEMENTS

Warehouse workers utilize the Rufus Cuff Pro3 Scan, RADD Tab2, and the Scan2 wearable scanner to facilitate barcode scanning during their fulfillment tasks. This process is vital, as it allows workers to:

- Clock In and Log In: Upon arrival, workers log into their Rufus devices using Honeywell scan engines.
- Receive Work Tasks: Tasks are delivered through the Warehouse Management System (WMS),Enterprise Resource Planning (ERP) application, or Rufus WorkHero on the Rufus Cuff Pro3 & Radd Tab2
- Barcode Scanning: Workers scan barcodes directly using the integrated Honeywell engines, allowing for real-time tracking of inventory and task completion.

WorkHero serves as an operating system layer that continuously tracks worker and device performance, providing analytics displayed on a web dashboard for management oversight. This feature enables managers to evaluate labor trends, monitor scanning activity, and effectively manage all deployed Rufus devices, facilitating app updates, remote logouts, and tracking device locations.

The enhancements brought about by the Honeywell engines have resulted in measurable productivity gains. Customer case studies indicate that the Rufus Scan2 wearable barcode scanner, an integral part of Rufus WorkHero's combined hardware and software platform for warehousing productivity, has improved scanning productivity by over 30%.

N6703 SCAN ENGINE

The N6703 Scan Engine is designed for use in professional-grade mobile devices, including tablets, wearable scanners, mobile terminals, and accessories in retail stores, warehouses, and healthcare facilities, as well as for delivery, pick-up/drop-off, and field servicing. The N6703 Series 2D barcode scan engine is Honeywell's slimmest 2D imager. Available with two optics: SR optics read UPC codes up to 573 mm (22.5 in), and HD optics enable reading of DotCode, 2.5-mil C39, and five-mil Data Matrix high-resolution codes. It is designed to provide higher performance and reliability, simplify integration into mobile devices, and enable faster barcode scanning speeds to meet the requirements of high-volume applications. The N6703 Scan Engine's lower power consumption increases battery life, allowing end-users to achieve greater productivity from their device.

PRODUCTIVITY INCREASE AT INTEGRA BIOSCIENCES

Integra Biosciences, a leader in liquid handling technology, sought to enhance productivity within its operations. Prior to the implementation of the Rufus solution, the company faced significant challenges, including inefficient production tracking and inadequate Key Performance Indicator (KPI) management.

By integrating the Rufus platform, Integra experienced substantial improvements in operational efficiency. The solution facilitated real-time tracking and greatly enhanced the ability to monitor production metrics. Specific results included an increase from 650 to 902 scans per hour, a remarkable boost of nearly 40% in scanning productivity. Furthermore, the ability to balance labor between picking and shipping areas optimized workflow, reducing labor costs and improving overall throughput.

The simplicity of implementation further contributed to productivity gains; minimal training was required for staff, allowing for rapid adaptation to the new system. The Rufus solution not only streamlined processes but also provided a user-friendly interface that encouraged employee engagement and accountability throughout the workflow.

These enhancements not only underscored Integra Biosciences' commitment to innovation but also reinforced its competitive edge in the biopharmaceutical sector through improved operational performance.

CONCLUSION

The collaboration between Rufus Labs and Honeywell PSS exemplifies the effectiveness of leveraging best-in-class technology to enhance customer experiences. The integration of Honeywell's advanced scanning technology into the Rufus ecosystem has resulted in significant performance improvements, improved reliability, and increased user satisfaction.

Utilizing Honeywell's superior build quality, competitive pricing, and lower power draw has enabled Rufus Labs to solidify its position in the marketplace as a leader in warehouse technology solutions.

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