



AML Case Study: Cold Storage

Enterprise Mobile Computers

The Objective

Langham Logistics, a third-party logistics (3PL) provider specializing in pharmaceutical and life sciences warehousing, needed a reliable mobile computing solution to support its growing **cold chain operations**. With multiple temperature-controlled facilities—including environments ranging from controlled room temperature to deep freezer storage—the company required durable barcode scanning devices that could perform consistently across varying temperature conditions.

Langham Logistics has implemented **Manhattan Associates' WMS** in all their facilities. To connect to their WMS, the mobile computers need to be able to make a remote desktop connection. Also, keeping in mind a future transition to Manhattan's native Android™ app, the barcode scanning mobile computers also need to be compatible with the latest software requirements.

As Langham Logistics continues to expand their cold storage operations, rapid deployment of new devices was also a key factor in considering a new mobile computer solution. Langham Logistics recently opened a 367,000 sq ft cold storage warehouse in Indianapolis, IN. According to Langham Logistics, their controlled-temperature storage facilities range from controlled room temperatures at 25°C to frozen temperatures -35°C.

The Solution

Langham Logistics migrated from legacy devices to AML's **cold storage ready StrikerX** mobile computer and later AML's Scepter Pro devices with a larger 5.5" display. Both AML mobile computers are powered by the Qualcomm® QCS6490 processor running at speeds up to 2.7GHz, integrated with a Wi-Fi 6E radio, and capable of long-range barcode scanning. The mobile devices are preloaded with software applications that make setup, configuration, and deployment a breeze. The devices were deployed across multiple facilities, including cold storage environments where workers frequently transition between temperature zones. Langham Logistics stated their previously unreliable and complex mobile device management system was replaced with **AML Device Manager**, simplifying setup and accelerating deployment timelines.

Results

Since deploying AML devices, Langham Logistics has seen strong performance across several key areas:

- The Langham Logistics team noted that the StrikerX and Scepter Pro performed well in temperatures as low as -35°C
- Improved scanning range, with Code 128 barcode reads up to 30 feet and QR codes at greater distances



Langham Logistics is a U.S.-based third-party logistics provider offering transportation, warehousing, and cold chain solutions for industries including life sciences and pharmaceuticals. With multiple temperature-controlled facilities across the United States, Langham Logistics specializes in handling sensitive and high-value products with strict regulatory requirements.

elangham.com

About AML StrikerX



The AML StrikerX is a rugged, high-performance mobile computer built for demanding warehouse and manufacturing environments. Powered by a Qualcomm QCS6490 processor with Wi-Fi 6E, it delivers fast, reliable data collection.

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- Faster and simpler device deployment with AML Device Manager

“What I’ve seen with AML Device Manager is that it’s super simple and intuitive — there’s not much out there that’s easier than this,” Warehouse Systems Manager Jeff McClelland said.

- Reliable Wi-Fi connectivity across the facility
- Seamless integration with Manhattan Associates' WMS via remote desktop

“The units performed at or better than the devices we had before. We’ve been very happy with them,” McClelland said.

Speaking of his support experience with AML, Jeff said he can easily reach out to the AML team and receive answers in a timely manner.

About AML

AML is a U.S.-based manufacturer of rugged mobile computers built for demanding environments like manufacturing, warehousing, and distribution. AML devices are designed for seamless integration with leading software platforms and come backed by responsive domestic support and fast repair turnaround times.

About AML Scepter Pro



The AML Scepter Pro is a rugged, high-performance mobile computer built for demanding warehouse and manufacturing environments. Featuring a vibrant 5.5" AMOLED display and powered by a Qualcomm QCS6490 processor with Wi-Fi 6E, it delivers fast, reliable performance for modern applications.

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Contact AML at **800.648.4452** or email sales@amltd.com to learn more.