



ZEBRA



Improve Productivity and Throughput in Cold Storage with a New Class of Scanner

BUILT FOR LIFE IN THE FREEZER — THE ULTRA-RUGGED 3600 SERIES HANDHELD SCANNERS

The Challenge: Streamline Operations in Your Harsh Cold Storage Environments

You'd like to leverage the benefits of scanning in your freezer, chiller and other cold storage areas to reduce cycle times and improve accuracy from receiving and picking to shipping — and to provide the real-time inventory visibility you need to prevent costly out-of-stocks that turn into lost orders, lost customers and lost revenue. But even rugged scanners aren't built to handling the challenges of this harsh and demanding environment, including:

- **Constant wide temperature swings.** When workers move between freezer and non-freezer zones, condensation can accumulate on the scanner window — impacting scan performance or preventing scanning altogether.
- **Frost-covered barcodes.** Barcodes in cold storage environments are frequently covered with frost or condensation, making scanning difficult if not impossible. The resulting need for workers to manually process exceptions not only reduces worker productivity, it also

introduces more opportunity for errors that can translate into the late delivery of an order, or orders with missing or wrong items.

- **Non-glove friendly ergonomics.** It's difficult to operate the typical scanners while wearing thick gloves.
- **Battery issues that prevent the deployment of cordless scanners.** Cold temperatures are tough on batteries. Performance typically erodes as the temperature drops, in the subzero temperatures of a freezer, many batteries can't function at all.

And while you may have a scanner rated for freezer use today, chances are the demands of this tough environment require frequent repair and replacement of scanners. The result is high capital costs, high device management costs and a high total cost of ownership (TCO).

Is there a scanner that is truly built to thrive in your cold storage environments to allow you to achieve operational improvements you need to deliver better customer service — without increasing your workforce?

The Solution: Unstoppable Performance in Cold Storage with Zebra's Ultra-Rugged 3600 Series

Introducing the Zebra 3600 Series, a new class of industrial scanners that delivers the unstoppable performance you need to improve productivity, enhance order accuracy and speed shipping times in the most demanding cold storage environments. The 3600 Series is engineered to meet the specific environmental and user challenges in cold storage, providing:

- **Superior scanning performance** required in tough spaces — there is a model optimized to scan all the types of barcodes in your environment, at the right range.
- **Reliable operation in sub-zero temperatures**, with features that prevent common problems in cold storage environments, such as the condensation that forms as workers move from the cold in the freezer to the warmth of the warehouse or dock.
- **An ultra-rugged design** — a new category of scanner that is nearly indestructible for maximum uptime — and a low TCO.
- **Ergonomics designed for the cold** for easy operation with thick gloves
- **Superior Bluetooth technology** that frees workers from cords — without risking Wi-Fi interference.
- **Minimal device management time and cost** through industry-best, complimentary management tools.

The result?

- Increased workforce productivity
- Increased accuracy
- Fewer out-of-stocks through real-time inventory visibility
- Reliable on-time delivery of the right items to the right customer
- Increased customer satisfaction and retention
- Improved workforce comfort and on-the-job satisfaction



The 3600 Ultra-Rugged Series: the Technology You Need to Achieve a New Level of Business Success in your Cold Storage Environments

The 3600 Series offers a unique set of features that deliver the unmatched durability, scanning performance and manageability required in extreme cooler, refrigerator, chiller and freezer environments.

When Only the Most Rugged Design Will Do

When it comes to working in cold storage, you don't need a rugged design, you need an ultra-rugged design — and the Zebra 3600 Series delivers.

Sub-zero temperature rating — including the battery

Your scanners need to withstand extreme cold and heat — that's why we engineered the 3600 Series with an extreme working temperature range: -22° F to 122° F / -30° C to 50° C (corded) and -4° F to 122° F / -20° C to 50° C (cordless). And while battery performance in cordless models often erodes as the temperature drops, our unique PowerPrecision+ battery is rated for the freezer, with zero performance degradation over the entire operating temperature range. The result? You can free your workers from cumbersome cords in the freezer, without worrying about power issues.

Designed to handle constant temperature shocks

If your workers frequently travel in and out of the freezer, a heated scanner holder accessory keeps the scanner head warm to prevent the buildup of condensation that can form on the scanner head and deteriorate scanning performance. Productivity is protected and performance is still unstoppable — in spite of constant substantial swings in temperature.

APPLICATION BRIEF

3600 ULTRA-RUGGED SERIES IN COLD STORAGE



Freezer-rated cables

A freezer-ready scanner is only as good as the cables that connect the scanner or cradle to its host computer. Unlike many other rugged devices on the market, the 3600 Series offers cables with special jacketing to maintain flexibility in subzero temperatures, preventing costly cable failure and work interruptions.

Toughened to handle it all: dustproof, sprayproof and waterproof

The 3600 Series is the only device in its class with a waterproof IP67 sealing rating, able to survive complete submersion in water. The only scanner family to offer a second rating of IP65, the 3600 Series is ready for virtually every challenging warehouse environment, from dusty aisles and outdoor yards to pouring rain out on the loading dock, spilled coffee, spray downs with a high-pressure hose and wipedowns with industrial cleaners. We even sealed our Bluetooth cradle to IP65 to match the scanners, creating the only complete rugged cordless solution for your forklift and other material handling equipment drivers.

Built to handle drops to concrete

Many device failures occur when scanners are dropped on the concrete floor. That's why all models in the 3600 Series offer a best-in-class 8 ft./2.4 m drop to concrete impact rating — 23 percent more durable than any other scanner

in this class. And with a 5,000 3.3 ft./1 m tumble rating, you get the peace of mind that these scanners will survive the real-world tumbling that follows a drop — even in the freezer.

When Only the Best Scanning Technology Will Do

The faster your workers can complete a scan, the more work they can complete in a day — and your success is all about throughput. That's why the 3600 Series is loaded with our most advanced scanning technologies.

Maximum scanning speed on every type of barcode in your facility

Whether your workers are scanning 1D or 2D barcodes, you get an advanced scan engine optimized to provide maximum scanning speed. Lightning fast scanning boosts productivity and minimizes the time workers spend in the freezer, improving comfort and safety.

First-time capture of imperfect barcodes and barcodes covered with frost

Barcodes that can't be scanned instantly lower productivity levels — but cold storage is tough on barcode labels. Your most damaged barcodes are no match for our advanced scanning algorithms — whether barcodes are torn, dirty, smudged, poorly printed or under a layer of frost, your workers can capture it all with one press of the scan trigger.

A family designed for the unique demands of cold storage environments:

Four corded and cordless models let you select the scanner that will maximize worker productivity for your specific applications:

Corded/Cordless LI36X8: This 1D linear scanner is ideal for cold storage/warehouses with 1D barcodes only

Corded/Cordless DS36X8-SR: Standard range scanning of 1D and 2D barcodes from near contact to nearly 5 ft./1.5 m away

Corded/Cordless DS36X8-HP: High performance imager scans 1D and 2D barcodes at greater ranges, from 7 ft./2.1 m, plus the ability to capture photos, documents and OCR data

Corded/Cordless DS36X8-ER: All-range capture of 1D/2D barcodes, from 3 in./7.6 cm to 70 ft./21.4 m away for superior flexibility; scan items in hand as well as on the uppermost warehouse racks

APPLICATION BRIEF

3600 ULTRA-RUGGED SERIES IN COLD STORAGE



Advanced ergonomics to boost productivity in the freezer

Cold environments present unique usability challenges. Scanners can be hard to use with thick gloves. Traditional beep tones can be hard to hear since workers could be driving forklifts or wearing earmuffs or earplugs. That's why we gave the 3600 an oversized scan trigger for easy scanning, even with the thickest gloves. And a user-controllable, extra-loud beeper and vibration feedback ensures workers always receive scanner feedback.

Scan nearer and farther with one device

With expanded working ranges in every model in the 3600 Series, workers can travel fewer steps, yet capture more barcodes. All models offer 30 percent more working range than competitive devices. And for workers that need maximum range, our extended range scanner can capture extra-wide barcodes just a hands-length away, as well as barcodes on the uppermost warehouse shelves up to 70 ft./21.4 m away.

Finally — a Bluetooth Cordless Scanner that Won't Interfere with Your WLAN

You would like to give your workers cordless freedom, but Bluetooth devices can often create interference in Wi-Fi environments, disrupting workflows and impacting crucial data streams in your business operations. Now, you can just scan a single barcode to configure your 3600 Bluetooth scanners with Zebra's Wi-Fi Friendly mode, which completely eliminates any interference with your Wi-Fi infrastructure — guaranteed.

When Only the Easiest Device Management Will Do

Managing your scanners can be time-consuming — you need to prepare every scanner for first use, upgrade as needed and troubleshoot user issues. With our complimentary tools, 123Scan² and Scanner Management Service (SMS), plus visibility into a wealth of statistics on the batteries in your cordless 3600 scanners, scanner management is less time-consuming and less costly, reducing your total cost of ownership.

**MAXIMIZE PRODUCTIVITY IN YOUR COLDEST ENVIRONMENTS WITH ZEBRA'S 3600
ULTRA-RUGGED SCANNERS. FOR MORE INFORMATION, VISIT WWW.ZEBRA.COM/3600**



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