



3600 Series Ultra-Rugged Scanner

Scan past any challenges with unstoppable barcode scanners

Agenda

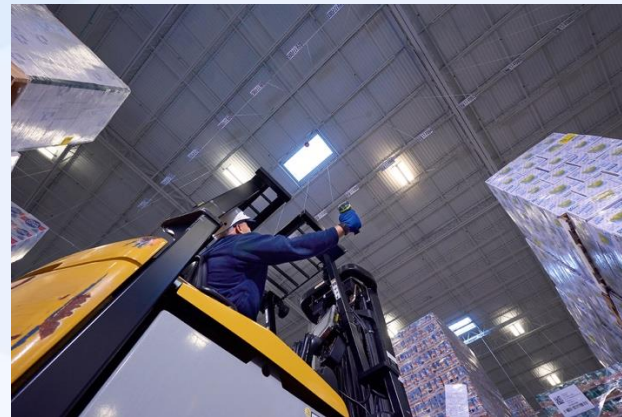
- Challenge and Solution
- Vertical Markets and Applications
- Key Features
- 3600 Series Models
- Zebra DataCapture DNA
- Why Zebra?
- Zebra Services

Challenge and Solution



As tasks get tougher...scanners no longer look the same

Your work is demanding, and your scanner needs to keep pace. **Don't settle for the hidden issues of lesser scanners.**



- Damaged, shrink-wrapped and smudged labels are unreadable
- Aiming is difficult in bright sunlight or dim warehouse aisles

- Devices need to be replaced sooner than expected
- Productivity is impacted by rain, snow, grime, freezing temperatures

- Work pauses to troubleshoot the loss of battery power
- Scanner deployment and management are difficult

Scan past any challenges with Unstoppable Scanning

The 3600 Series established the ultra-rugged category and earned that name for a reason

Built for the unique challenges of manufacturing and warehouse tasks, these scanners provide unstoppable performance in the harshest environments



What is 'Unstoppable Scanning'?

No matter how tough the environment or application, the 3600 Series is ready for the job.

A scanner that can scan faster and farther with greater accuracy and increased speed



A scanner that integrates and performs without hassles



A scanner engineered to take more of a beating over a longer period of time



= UNSTOPPABLE

A model to meet
virtually every
need in
warehousing and
manufacturing



1D

LI3600-SR

Standard range 1D barcode capture

LI3600-ER

Extended range 1D barcode capture

1D/2D

DS3600-SR

Standard range 1D/2D barcode capture

DS3600-XR

Extended range 1D/2D barcode capture

DS3600-ER*

Extended range 1D/2D barcode capture

DS3600-HP

High performance; 1D/2D barcodes over longer distances, plus OCR, photos and documents

DS3600-KD

Versatility of a keypad and color display

DPM/High Density

DS3600-HD

Optimized to read high-density barcodes

DS3600-DP

Optimized to read Direct Part Marks (DPM) and high-density

DS3600-DPA

Optimized to read Direct Part Marks (DPM) and wide 1D barcodes



Vertical Markets and Applications

Warehousing

Whether workers are in warehouse aisles, out on the dock, in the freezer or in an outdoor yard, the 3600 Series delivers the technology and performance you need to achieve a new level of success



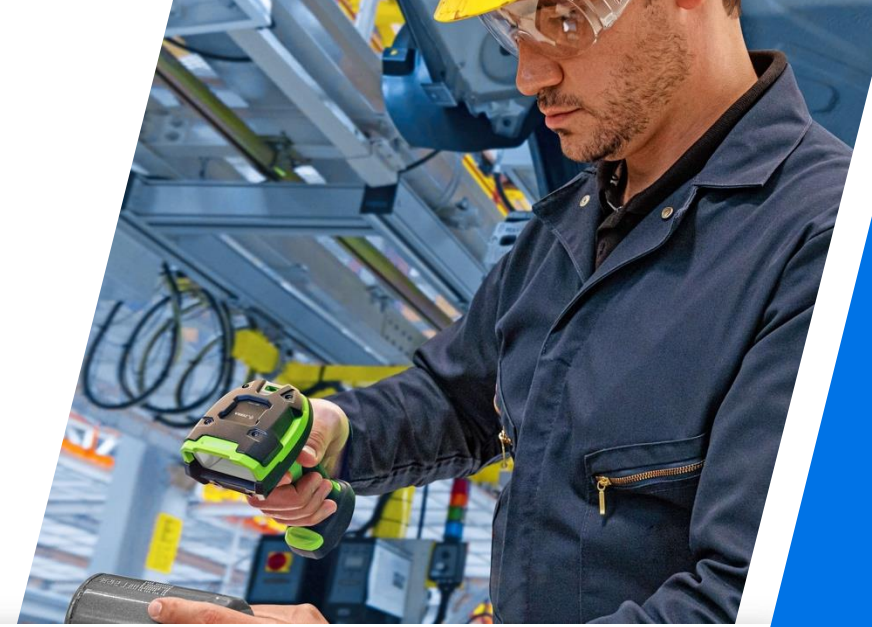
Applications

- Inventory management
- Picking
- Packing
- Receiving
- Put away
- Shipping
- Returns processing
- Cross docking



Manufacturing/Distribution

Whether you are manufacturing vehicle cam shafts, circuit boards or whole-grain bread, your operations will benefit from the unmatched durability, scanning performance and manageability of the 3600 Series



Applications

- Supply-line replenishment
- Quality Control
- Track and trace
- Work in Process
- Parts tracking





Key Features

The gold standard in ultra-rugged design

You won't find a tougher family of scanners—
the 3600 Series is virtually indestructible for your toughest environments



Survives drops from the tallest heights

- Highest drop specification in its class: 10 ft./3 m to concrete
- Withstands 7,500 consecutive tumbles



Withstands the harshest conditions

- IP65/IP68 Rating: Dust proof, spray proof and waterproof—can be submerged in water
- Built for blazing heat and sub-zero temperatures



Ultra-rugged “go anywhere” cradle

- IP65 Rating: dust proof and spray proof
- Industrial charging contacts withstand 250,000 insertions
- Zebra's Connect+ Contact for corrosion-free charging over the life of the scanner

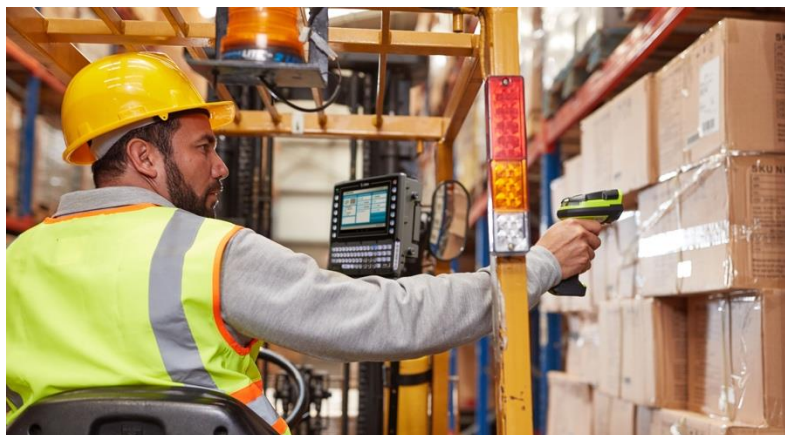
A design in a class of its own

Every detail is purpose built to ensure longevity and usability in the harshest environments



Scan confidently. Scan more. Scan non-stop.

With Zebra's industry-leading scanning performance, there are no issues, no surprises. Just consistent scans.



Capture barcodes in any condition

- Zebra's PRZM Intelligent Imaging technology captures barcodes in any condition, the first time, every time...
- Scratched, dirty, poorly printed, high density, under shrinkwrap or frost...the 3600 Series can capture them all

Extraordinary scanning range

- Over 30% more working range than the competition*
 - Capture more barcodes with fewer steps, without ladders or crouching
- * Exact figure varies by model*

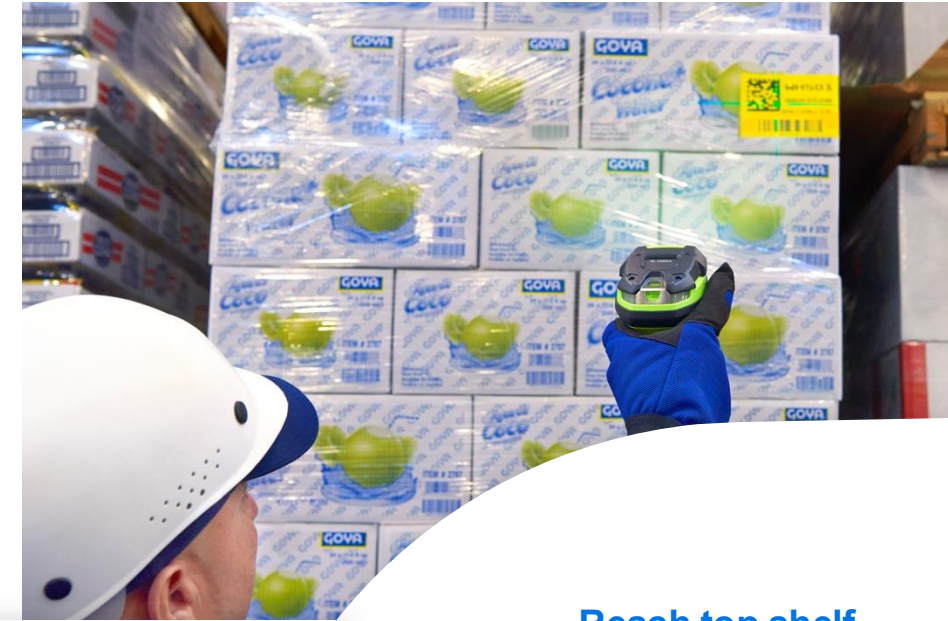
Can't miss feedback

Mix and match four different feedback modes to meet your environment:

- Vibration (haptic)
- Wraparound LEDs that are visible from any position
- Direct Decode Indicator
- Loud beep tone

Reach new heights with Zebra's leading extended range scanning

DS3600-XR reads barcodes from as close as 2 in./5 cm to over 105 ft./32 m*—nearer and farther than any scanner in this class



Industry-leading range, on both 1D and 2D:

- **DS3600-XR:** 105+ ft./32+ m on 100 mil Code 39 and 100 ft./30.5 m on 200 mil DataMatrix. Scans farther and nearer than anything else in its class
- **DS3600-ER**:** 70 ft./21.4 m on 100 mil Code 128 and 41.6 ft./12.7 m on 200 mil DataMatrix

Up to 7x more visible green aimer for easy aiming outdoors and inside*** (DS3600-XR)

- Green laser aimer with a wide cross hair pattern can be seen across the entire decode range indoors and up to 10 ft./3 m in direct sunlight
- Easier and more accurate aiming, whether workers are scanning in the dimmest corners of the warehouse or out in bright sun

Instant, intelligent barcode capture near and far

- Exclusive IntelliFocus™ technology ensures flawless scanning across the entire range, whether the barcode is in hand or across the room
- Advanced illumination optimizes performance in varied lighting conditions

Reach top shelf barcodes without a ladder. Scan ground-level barcodes without crouching. Capture more barcodes without getting out of the forklift. Read barcodes on a high shipping container in bright sunlight.

Speed up time-draining tasks with value-added software tools



Capture label data

Label Parse+ captures all the inventory information you need from GS1 labels with just one press of the scan trigger



Single out one barcode

Preferred Symbol singles out one barcode from many—no need to physically cover nearby barcodes



Capture multiple barcodes

Multi-Code Data Formatting captures multiple barcodes at once and transmits only the barcodes you need, formatted for your application



Capture full-sized documents

Intelligent Document Capture optimizes the image for maximum clarity



Capture UDI data

Ensure traceability in the medical device supply chain with UDI Scan+; instantly capture and parse UDI data



Capture blood bag data

Blood Bag Parse+ easily captures all the data required on every blood bag at every stop of the supply chain

Freezer ready for your coldest supply chains

Make sure productivity doesn't stop where the cold chain starts. The 3600 Series is engineered to provide reliable operation, regardless of dramatic temperature swings.



Corded Operating Temp.: -22°F to 122°F/-30°C to 50°C

Cordless Operating Temp.: -4°F to 122°F/-20°C to 50°C



Specialized plastics, components and accessories can be used in freezing temperatures without becoming brittle



Ideal for refrigerated areas and freezers in food and pharmaceutical manufacturing, as well as outdoor storage yards in cold climates

* Heated scanner holder recommended to reduce condensation on the outside of scan window when moving in and out of freezers



Set workers free with superior cordless technology

Loaded with features that make it easier than ever for workers to use and manage their cordless scanners





Connect to your industrial Ethernet network

No hurdles between your scanners and the PLC

Zebra's Network Connection for Automation streamlines the connection between 3600 Series scanners and the programmable logic controller, eliminating the need for third-party connector boxes.



Enhance Security

When scanners are connected directly to the PLC, it creates a more secure data capture environment



Reduce Unplanned Downtime

Removing unnecessary networking equipment from the setup eliminates a point of failure, reducing the risk of process failure



Reduce Complexity

Accommodates popular Industrial Ethernet Protocols, so programmers don't have to spend time making complex protocol conversions work

Unrivaled manageability

Industry-best tools simplify remote management and accelerate rollouts

No-cost remote management

Remotely manage your 3600 Series scanners, whether you have scanners in one location or around the world; configure and update the firmware for any scanner plugged into a host

Easy fleet-wide deployments

Zebra 123Scan's configuration wizard simplifies every step of scanner deployment; easily create configuration barcodes to program scanners

Real-time business intelligence

With IoT Connector for Scanners, your analytics dashboard can automatically gather vital information from your scanner fleet—including alerts, barcode scans and asset information

Remote Diagnostics

Up-to-the-minute insight into every aspect of your scanners; remotely access scanner information, confirm settings, troubleshoot and more

Visibility into detailed battery metrics

PowerPrecision+ batteries provide a wealth of battery metrics like battery age, health percentage, charge level and more



Key differentiators

Scans closer,
farther, faster

Industry-best
10 ft./3 m
drop spec
to concrete

Only IP68-sealed
waterproof scanner
in its class

Industry's first
ultra-rugged
IP65-sealed cradle

100,000+
scans per charge

PRZM technology
for superior performance
on challenging barcodes

Dedicated gauge to
easily keep track of
battery status

Wide range of
premium tools to
boost productivity

Industry's only battery
management capability

Only ultra-rugged line
to offer a keypad and
color display



**THE ONLY INDUSTRIAL SCANNERS
BUILT TO DELIVER
UNSTOPPABLE PERFORMANCE**



3600 Series Models

LI3600-SR 1D Standard Range

Designed for standard range reading of 1D barcodes

LI3600-SR



The LI3600-SR is ideal for shipping and receiving on the loading docks, small item pick and pack and manufacturing work-in-process

Features

- Superior near-range reading of 1D barcodes
- Captures 1D paper and electronic barcodes
- Battery power for up to 140,000 scans (cordless models)
- Corded and cordless models

Target Markets



Warehouse/
Distribution



Manufacturing



Transportation
and Logistics

LI3600-ER 1D Extended Range

Designed to capture 1D barcodes from 2 in./5.1 cm to as far as 56 ft./17.1 m away, nearer and farther than any scanner in its class

LI3600-ER



The LI3600-ER is ideal in warehouses and ports, where workers need to capture small to very wide 1D barcodes on items at close range as well as items on upper warehouse shelves or stacked containers in a rail yard or port

Features

- Captures standard and extra-wide 1D barcodes over an industry-leading range—from 2 in./5.1 cm to 56 ft./17.1 m
- Reads 26 percent farther than prior generation laser model
- Battery power for up to 100,000 scans (*cordless only*)
- Coded and cordless models

Target Markets



Warehouse/
Distribution



Manufacturing



Transportation
and Logistics

DS3600-SR 1D/2D Standard Range

Designed for standard range capture of 1D/2D barcodes, from near contact to nearly 5 ft./1.5 m

DS3600-SR



The DS3600-SR is ideal for shipping and receiving on the loading docks, small item pick and pack, plus manufacturing work-in-process

Features

- Near-range capture of 1D/2D barcodes, from near contact to nearly 5 ft./1.5 m
- Battery power for up to 100,000 scans (cordless only)
- Supports UID parsing
- Coded and cordless models

Target Markets



Warehouse/
Distribution



Manufacturing



Transportation
and Logistics

DS3600-ER* 1D/2D Extended Range

Designed to capture standard and extra-wide 1D/2D barcodes from 3 in./7.6 cm to 70 ft./21.4 m

DS3600-ER*



The DS3600-ER* is ideal in warehouses and ports, where workers need to capture small to very wide barcodes on items at close range as well as items on upper warehouse shelves or stacked containers in a rail yard or port

Features

- Captures standard and extra-wide 1D/2D barcodes from 3 in./7.6 cm to 70 ft./21.4 m
- Battery power for up to 70,000 scans (cordless only)
- Supports UID parsing
- Corded and cordless models

Target Markets



Warehouse/
Distribution



Manufacturing



Transportation
and Logistics

DS3600-XR 1D/2D Extended Range

Designed to capture 1D/2D barcodes from 2 in./5 cm to over 105 ft./32 m—nearer and farther than any scanner in its class

DS3600-XR

The DS3600-XR's wide range is an industry standard for ultra-rugged scanning near and far. Dim-lit warehouses to sun drenched ports, on-hand receipts to stacked containers in a rail yard—DS3600-XR captures rapidly proliferating 2D barcodes with the same ease as it does traditional 1D, everywhere and every time.

Features

- Nearly 40% better than competitors on 2D to empower applications such as track and trace and T&L use cases
- Captures barcodes from less than 2 in./5 cm to over 105 ft./32 m, effortlessly
- 7x more visibility* across the working range and up to 10 ft./3 m outdoors
- Battery power for up to 80,000 scans (cordless only)

Target Markets



Warehouse/
Distribution



Manufacturing



Transportation
and Logistics



DS3600-HD 1D/2D High Density

Designed to capture high-density 1D/2D barcodes—including tiny dense codes that are barely visible to the naked eye

DS3600-HD



The DS3600-HD is ideal for protecting product quality on the electronics and medical equipment production line—ensures workers use the right product components at the right time, every time

Features

- Capture high-density 1D/2D barcodes—including tiny dense codes that are barely visible to the naked eye
- Reads any barcode in any condition—up to 20 per trigger pull
- Battery power for up to 100,000 scans (cordless only)
- Supports UID parsing
- Corded and cordless models

Target Markets



Warehouse/
Distribution



Manufacturing



Transportation
and Logistics

DS3600-DP 1D/2D Direct Part Marks

Designed to capture virtually every type of direct part mark (DPM) and 1D/2D barcode

DS3600-DP



The DS3600-DP is ideal for track and trace, maintenance, warranty service and product authentication on the industrial manufacturing production line

Features

- Captures virtually every type of direct part mark (DPM) and 1D/2D barcode
- Reads the highest density barcodes with ease
- Reads any barcode in any condition—up to 20 per trigger pull
- Battery power for up to 100,000 scans (cordless only)
- Supports UID parsing
- Coded and cordless models

Target Markets



Manufacturing

DS3600-DPA 1D/2D Direct Part Marks for Industrial Manufacturing

Designed for Direct Part Marks (DPM), 1D/2D and wide 1D barcodes common in factory automation

DS3600-DPA



The DS3600-DPA is ideal for track and trace applications to control product quality, whether in automotive, aerospace, or farm and fleet

Features

- Reads wide 1D linear barcodes
- Captures virtually every type of direct part mark (DPM) and 1D/2D barcode
- Reads any barcode in any condition—up to 20 per trigger pull
- Battery power for up to 100,000 scans (cordless only)
- Supports UID parsing
- Coded and cordless models

DS3600-DPA scanners require Network Connect access authorization

Target Markets



Manufacturing

DS3600-HP 1D/2D High Performance

Designed for mid-range reading of 1D/2D barcodes 40 percent farther than the DS3600-SR—up to 7 ft. / 2.1 m away—with the flexibility to capture photos, documents, signatures and OCR

DS3600-HP



The DS3600-HP is ideal on the loading docks for fast processing of incoming and outgoing shipments—from reading shipment labels for instant reconciliation to capturing signatures for proof of delivery and photos for proof of condition

Features

- Superior mid-range reading of 1D/2D barcodes + flexibility to capture photos, documents, signatures and OCR
- Reads 40% farther than SR version—up to 7 ft./2.1 m away
- Battery power for up to 100,000 scans (cordless only)
- Supports UID parsing
- Corded and cordless models

Target Markets



Warehouse/
Distribution



Manufacturing



Transportation
and Logistics

DS3600-KD 1D/2D with Keypad and Color Display

Designed for capture of 1D/2D barcodes and additional inputs with the versatility of a keypad and color display

DS3600-KD



The DS3600-KD is ideal for warehouses, retailers and manufacturers that need to key in data, such as adding quantity and location, with an ergonomic keypad and color display

Features

- Workers can key in data like quantity to reduce repetitive tasks
- Ergonomic backlit keypad designed for one-handed use
- Color display automatically adjusts for easy viewing in any lighting condition
- Reads up to 7 ft./2.1 m away
- Captures photos, documents, signatures and OCR
- Battery power for up to 60,000 scans
- Supports UID parsing
- Cordless model only

Target Markets



Warehouse/
Distribution



Manufacturing



Transportation
and Logistics



DIY POS

Zebra 3600 Series Family

A model to meet virtually every need in warehousing and manufacturing

	LI3600-SR	LI3600-ER	DS3600-SR	DS3600-HP	DS3600-ER*	DS3600-XR	DS3600-HD	DS3600-DP	DS3600-DPA	DS3600-KD
Overview and target applications										
Overview	1D Linear Standard Range	1D Linear Extended Range	1D/2D Standard Range	1D/2D High Performance; Mid-Range	1D/2D Extended Range	1D/2D Extended Range with Industry-Best Range	1D/2D High Density	1D/2D DPM, High Density	1D/2D DPM, Wide 1D	1D/2D Mid-Range; Keypad and Color Display
Target Applications	- Near field 1D reading - Shipping and receiving on loading docks and receiving dock doors - Small item pick and pack - Manufacturing WIP	- Picking - Forklift applications, - Warehouse/distribution, - Cross dock	- Near field 1D/2D reading - Shipping and receiving on loading docks and receiving dock doors - Small item pick and pack - Manufacturing WIP - Network Connect compatible	- Mid-Range reading for large items on loading docks for shipping and receiving - Package/courier services proof of delivery/ image capture - Network Connect compatible	- Picking - Forklift applications - Warehouse/distribution - Cross dock - Network Connect compatible	- Picking - Forklift applications - Warehouse/distribution - Cross dock - Network Connect compatible - Outdoor/yard - Field service - Dimly lit indoors - Long distance capture of 2D barcodes, without compromising 1D	- Manufacturing (electronics, medical equipment, telecom) - Network Connect compatible	- Lifetime Identification (UID) - Track & Trace - Maintenance management - Warranty service - Product authentication - Automotive, Aerospace, Defense - Network Connect compatible	- Lifetime Identification (UID) - Track & Trace - Product authentication - Automotive, aerospace, farm, fleet and other industrial manufacturing - Network Connect compatible	- Applications where workers key in data, such as adding quantity to a scanned item - Pick and pack - Manufacturing replenishment - WIP - Retail POS - Network Connect compatible

Zebra 3600 Series Family *(continued)*

A model to meet virtually every need in warehousing and manufacturing

	LI3600-SR	LI3600-ER	DS3600-SR	DS3600-HP	DS3600-ER*	DS3600-XR	DS3600-HD	DS3600-DP	DS3600-DPA	DS3600-KD
DATA CAPTURE FEATURES										
Read Range	Near contact to 3.5 ft./1 m	2 in./5.1 cm to 65 ft./19.8 m	Near contact to nearly 5 ft./1.5 m	Near contact to nearly 7 ft./2.1 m	3 in./7.6 cm to 70 ft./21.4 m	2 in./5 cm to over 105 ft./32 m	2.2 in./5.6 cm to 26 in./66 cm	1 in./2.5 cm to 5.8 in./14.7 cm	1 in./2.5 cm to 10 in./ 25.4 cm	Near contact to nearly 7 ft./2.1 m
1D	●	●	●	●	●	●	●	●	●	●
2D			●	●	●	●	●	●	●	●
Basic Image Capture			●	●	●	●	●	●	●	●
Advanced Image Capture				●						●
DPM								●	●	
High Density							●	●		

Zebra 3600 Series Family *(continued)*

A model to meet virtually every need in warehousing and manufacturing

	LI3600-SR	LI3600-ER	DS3600-SR	DS3600-HP	DS3600-ER*	DS3600-XR	DS3600-HD	DS3600-DP	DS3600-DPA	DS3600-KD
DATA CAPTURE FEATURES										
IUID			•	•	•	•	•	•	•	•
OCR				•						•
Digimarc			•		•	•				
Signature Capture				•						•
Multi-code Data Formatting (MDF)			•	•	•	•	•	•	•	•
Picklist Selector	•	•	•	•	•	•	•	•	•	•
Keypad/Color Display										•

Ultra-rugged accessories

Purpose-built, ultra-rugged accessories for easy device management and expanded flexibility



Charge/comm cradles

Up to 7 scanners can be paired to a cradle: IP65 sealed for forklift operations



4-slot battery charger

Charge up to four spare batteries at a time



Spare PowerPrecision+ batteries

Enable 24/7 operation with spare batteries



Intellistand

Adjustable Intellistand for hands-free scanning



Freezer-rated cables

Shielded, USB cables; rated to -30°C for freezer environment use.



Third-party heated scanner holders

Reduces condensation on outside of scan window when moving in and out of freezers



Carrying options

Belt holsters and wrist straps



Tool balancer/pulley

Keep scanners out of the way but within easy reach



Forklift accessories

Rugged scanner holder, forklift cradle power converter



Zebra DataCapture DNA

Zebra DataCapture DNA

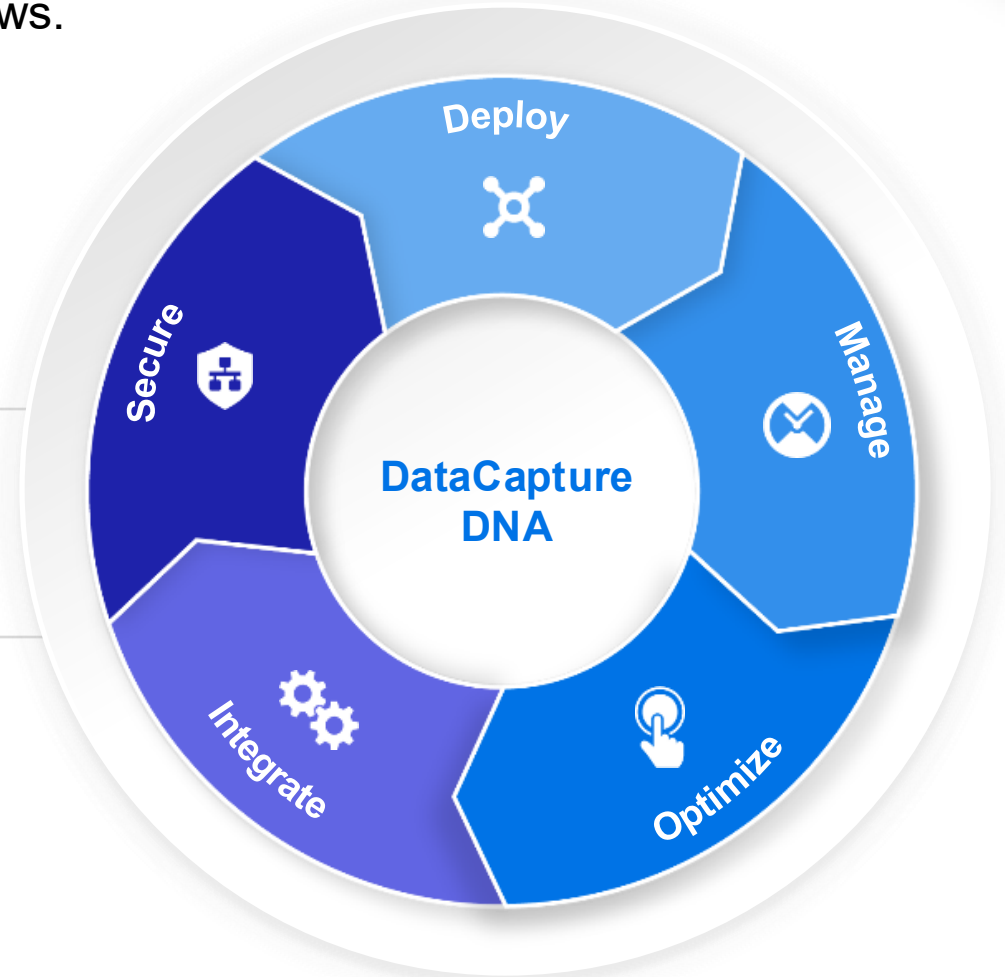
Your scanner's built-in advantage

Designed to meet the needs of all your workers and workflows. It includes the broadest suite of software capabilities to simplify every step of your hardware lifecycle.

Give IT hassle-free device management with the ability to configure and secure scanners at the point of use

Empower developers to easily create and integrate data-intensive apps

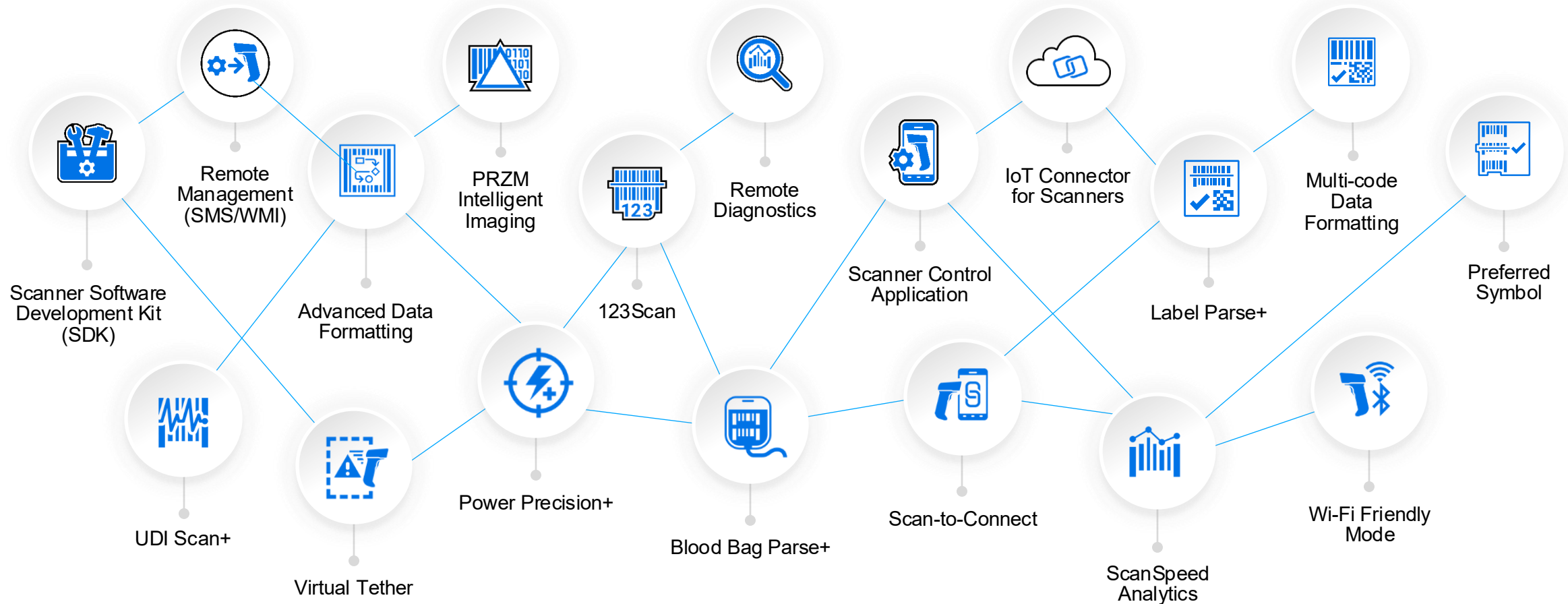
Help your retail workers do their jobs faster to achieve greater business outcomes



Enhanced traceability provides clearer visibility

Capture better information. Make better decisions. Get better outcomes

Intelligent **DataCapture DNA** tools simplify every stage of scanning with unrivalled performance and visibility. They provide smarter and faster solutions from deployment and management to integration, optimization and usage.





Why Zebra

Why Zebra

Extensive Reach

Scalable to meet any enterprise demands



\$5.6B

Global Sales



128+ offices
in 55 countries



6,500+ US and INTL
patents issued and pending



9,800+
employees worldwide



10,000+ channel
partners in over 180 countries



\$567M+ R&D
~10% of Sales

Leader Status

Gartner Magic Quadrant for Indoor Location Services—Worldwide

#1

Rugged
Mobile Computing

Data Capture

Barcode Printing

Mobile RFID

Our People Make the Difference



Channel Accolades



50+ Year Commitment to Innovation

Development timeline*

2019–2022
Acquisitions:
Cortextica
Adaptive Vision
Antuit.ai
Matrox Imaging



Triggered handheld
laser barcode scanner



Mobile computer combined
with barcode scanning and
wireless communications
into one device



Frictionless scan element
doesn't wear out like
conventional motors used in
other laser scanners



Proprietary optics for
SE95X Series of miniature
scan engine with
exemplary working range



Multi-plane imaging scanner
with improved throughput
due to capturing items from
six different directions



Launched
machine vision,
fixed industrial
scanning

1980

1986

1990

1991

1991

2003

2006

2010

2013

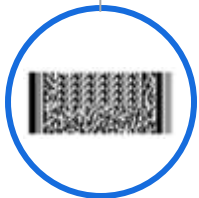
2020

2021

Introduced small form
factor laser scanner
using laser diode



PDF417 symbology, found
on almost every state
driver's license used today



Proprietary laser scan
engine optics enables
very long decode range



Hybrid Handheld/Hands-free
1D/2D barcode scanner UHF
RFID reader for the POS



First-of-its-kind
convertible design





Zebra Services

Zebra OneCare™

Standard Maintenance Plans

More than just repair, Zebra protects your technology from the inside out—and the operational outcomes you expect from it

Never One Size-Fits-All, choose the plan to best help you serve your strategic vision...

Zebra OneCare™ Essential

- Comprehensive repair services
- 3-day repair turnaround time
- 8x5 local time technical support
- Software updates and patches
- Insight into contracts, repair reports and more with cloud-based VisibilityIQ™ OneCare

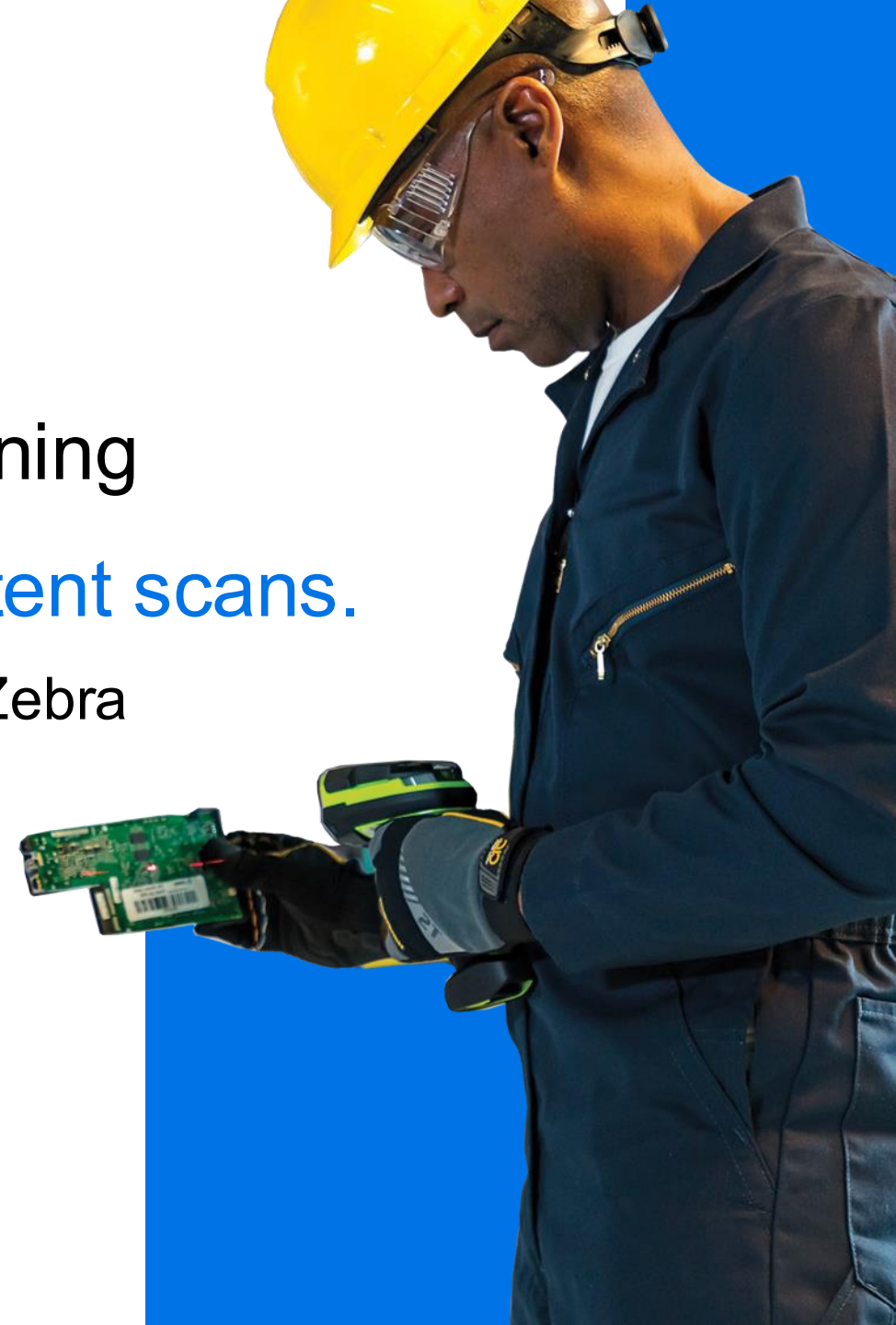
Zebra OneCare™ Select

- **All the features of Essential, PLUS**
- ‘Like-new’ advance device replacement
- 24x7 technical support
- Spare pools management
- Standard Device Commissioning preloads devices with software and applications

You're ready for infallible scanning
No issues. No surprises. Just consistent scans.

Get the most insights and abilities with Zebra

For more information, visit
www.zebra.com/3600series





Thank You!

For more information, visit www.zebra.com//3600series

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