



VC8300

The ultimate
ultra-rugged Android
keyboard/touch vehicle
mount computer



AGENDA

**The Business
Challenge
and Solution**

**VC8300
Features**

Mobility DNA

Zebra Services

Why Zebra?

VC8300

Vehicle-Mounted
Computer System

Business Challenge and Solution

F7

F8

F9

F10

F11

F12

E R T Y U I O P [] \ /

Q W E R T Y U I O P [] \ /

X C V B N M [] \ /

SPACE . , [] \ /

Operational challenges

Whether your warehouse vehicle operators are processing work orders on **paper** or on **vehicle mount computers**, you need to increase driver productivity to address numerous issues.

YOU NEED TO PROCESS MORE ORDERS...

Online shopping is surging globally, expected to reach \$4.5 trillion by 2021.¹ Customers are placing smaller and more frequent orders.

...IN LESS TIME, WITH GREATER ACCURACY

Shrinking delivery times are now as short as two hours — and one order that is late or contains the wrong items can cost you a customer.

...TO MAINTAIN A COMPETITIVE EDGE

It's never been easier for your customers to comparison shop — your competitors are just a few keystrokes away.

...AND CONTROL LABOR COSTS

In order to fulfill more orders in less time, you either need to add workers and warehouse — or increase the productivity of your current staff.

1. Zebra Warehousing 2020 Global Study, Zebra 2016; The Future of Fulfillment Vision Study, Zebra 2018





Environmental challenges

in your warehouse aisles...

Shock and vibration on material handling equipment without suspension systems

Dust and dirt

Forklift cleaning and maintenance procedures

24/7 continuous operation

Varying lighting conditions

Radio coverage challenges

Platform challenges in today's warehouses



You need to migrate your vehicle mount computers from Windows CE to Android™

You want a common OS across different use cases and form factors

BUT...

You don't
want to
re-train workers

You can't
afford to break
your current processes

You don't
want to reconfigure
your backend systems

You don't
want to install new
mounts and cables

ADDRESS IT ALL WITH THE NEW

VC8300

Vehicle Mount
Computer

The ultimate ultra-rugged
Android keyboard/touch
vehicle mount computer



Why choose the Zebra VC8300?

You get all the features you need to easily upgrade your existing vehicle mount computers — or migrate from paper to electronic processes.

ANDROID FAMILIARITY

Your workers already know how to use Android, minimizing training requirements and meeting workforce expectations

EASY ANDROID MIGRATION

Keyboard and touchscreen support your TE apps today and next generation interactive Android WMS apps — whenever you're ready

FITS VIRTUALLY ANY WAREHOUSE VEHICLE

Compact 'fits-anywhere' size — even in the most space constrained vehicles

ULTRA-RUGGED

Ready for your toughest indoor and outdoor environments — including the freezer

DROP-IN REPLACEMENT

Upgrading is easy. Just swap with your existing Zebra vehicle mount mobile computers — no need to change mounts or cables

Get a lower TCO for your vehicle mount computers



INTEGRATED SOLUTION = FEWER VENDORS TO MANAGE

Integrated solution can include vehicle computers, handheld mobile computers, handheld & wearable scanners and services

ANDROID = A COMMON PLATFORM FOR THE WAREHOUSE

Affordably extend Android to your vehicles without re-training workers

FIELD SERVICEABILITY = FEWER TRIPS TO THE SERVICE DEPOT

Touchscreen and UPS battery are field replaceable

“DROP-IN” REPLACEMENT = COST-EFFECTIVE UPGRADE

Backwards compatible with accessories and mounting hardware of legacy and competitor vehicle computers

QUICK RELEASE MOUNTING = LESS INTERRUPTION

Move the VC8300 to another vehicle in 10 seconds

STANDARD CABLES = LOWER COST AND COMPLEXITY

The VC8300 supports standard peripheral cables, so you don't have to purchase or manage proprietary cables

Where can you put the VC8300 to work?

Applications

Receiving
Picking
Packing
Shipping
Material replenishment
Cross-dock
Work in Process (WIP)

Deployment Environments

Warehouses
Manufacturing plants
Cold-chain
Freezers
Outdoor yards
Airports
Seaports
Railway yards

Vehicles

Sit down forklifts
Standing forklifts
Enclosed forklifts
Extended reach forklifts
Yard mules and trucks
Cranes
Container bridges



VC8300 Features



Features at-a-glance

Superior design maximizes usability and worker productivity



The ultimate in Android
migration simplicity

The best of both worlds...

large touchscreen and integrated keyboard

Best-in-class touchscreen technology

Plenty of space

8 in. display for graphics intensive interactive applications

Best-in-class resolution:
1280x720



Designed for gloves

Capacitive touchscreen is easy to use with gloves

Brightest display

1000 nit for easy viewing outdoors - even in bright sunlight

Keep the keys

Give workers a familiar key-based experience

Dust and water proof

Sealed, with drainage channels between keys

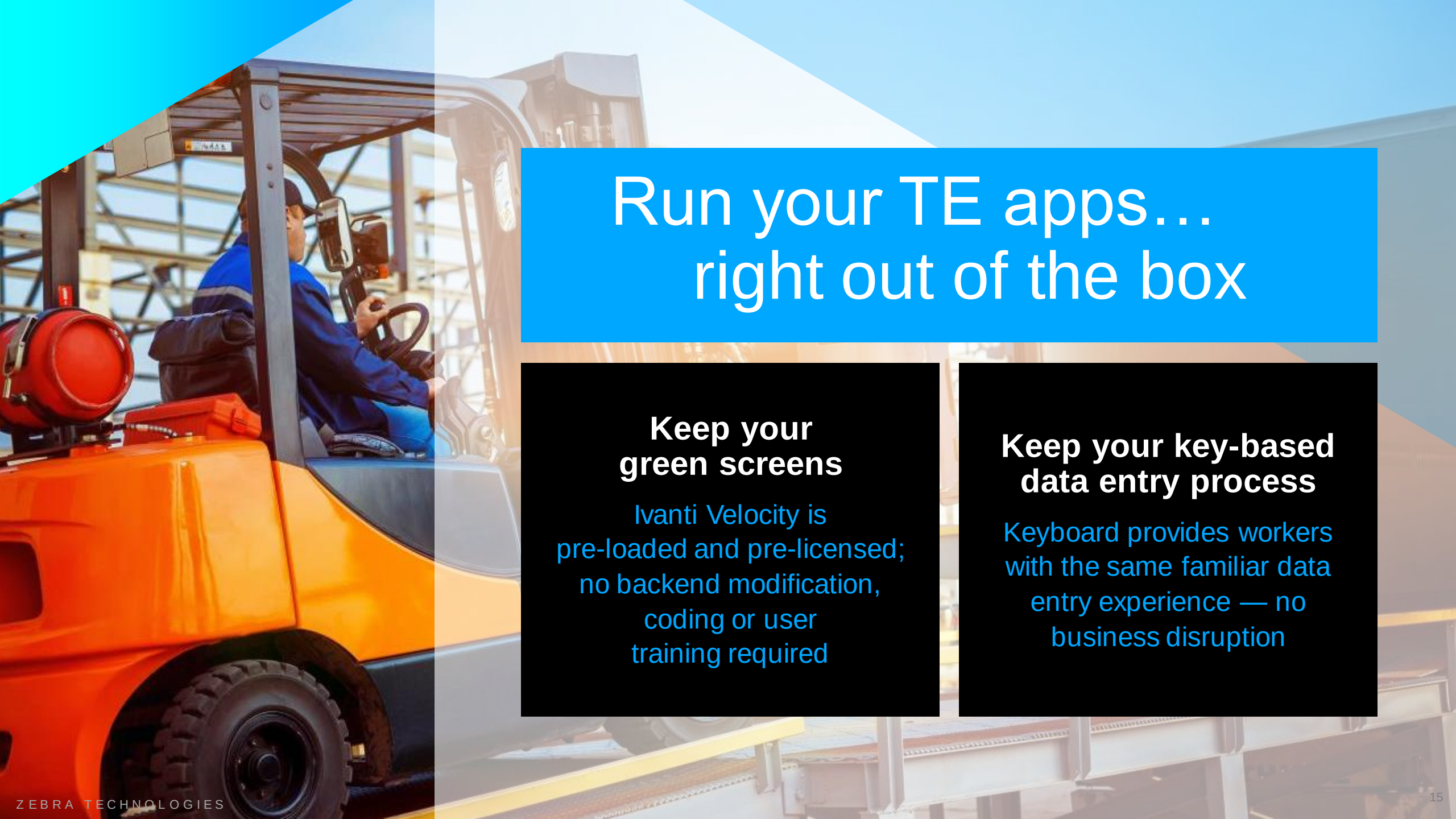
Designed for gloves

Full alphanumeric glove-friendly keyboard

Rugged and field replaceable

Less downtime, less trips to the service depot

Integrated keyboard



Run your TE apps... right out of the box

Keep your green screens

Ivanti Velocity is
pre-loaded and pre-licensed;
no backend modification,
coding or user
training required

Keep your key-based data entry process

Keyboard provides workers
with the same familiar data
entry experience — no
business disruption



All-touch TE

EASILY CONVERT YOUR EXISTING GREEN SCREENS TO INTERACTIVE TOUCHSCREENS

Ready to use

A pre-loaded and ready to use Mobility DNA application

Automated

Convert green screens to touch screens with the press of a button

So simple

No coding or host modification required

Use your styles

Apply your fonts, colors and logo in seconds with style sheets

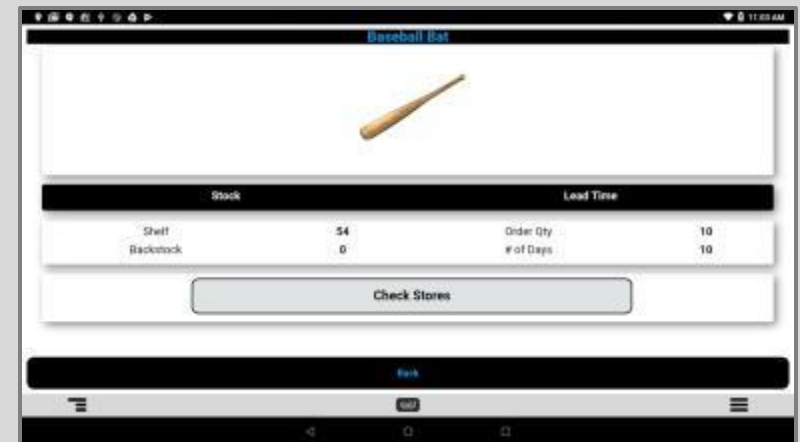
Customize

Modify as needed to improve your workflows

Add photos

improve task accuracy with product photos

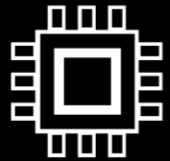
From green screens to intuitive touchscreens with the press of a button...



The ultimate Android
platform for business

The ultimate in power and performance

Give your workers the most responsive voice and data experience



**Maximum power and memory —
superior performance for all your voice and data apps**

Ultra-powerful 8-core
2.2 GHz processor

4 GB RAM/32 GB Flash
— up to 8x more RAM
and 32x more Flash
than prior generation
devices

Redundant pSLC Flash
memory delivers 10x
the memory life

Best-in-class display

8 in. display

Plenty of room for graphics-intensive interactive applications

Best-in-class resolution

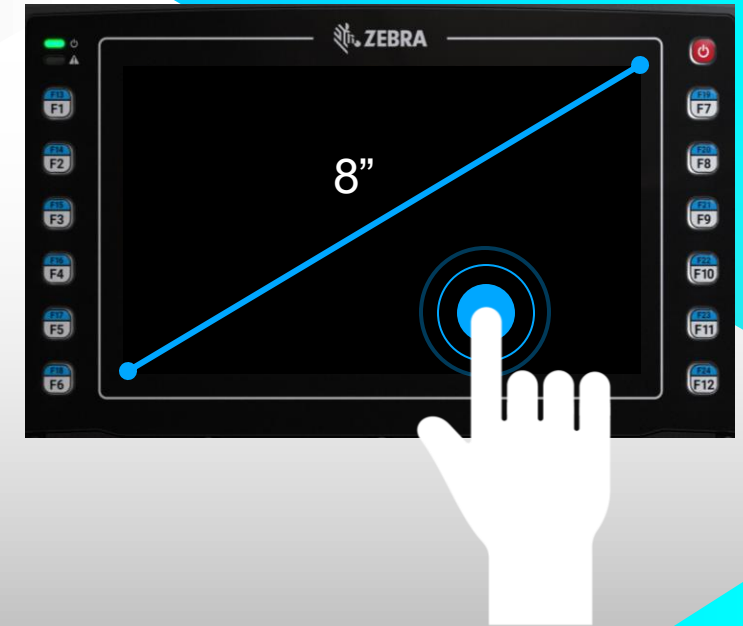
1280x720 WXGA for sharp text and graphics

Easy indoor and outdoor viewing

1,000 nit for best-in-class 'view anywhere' brightness

Designed for gloves

Capacitive touchscreen is easy to use, even with the thickest of gloves





MOBILITY DNA

LifeGuard™

A lifetime security guard for all of your Zebra rugged Android devices

Part of your Zebra OneCare Support Service agreement — and your warranty

Delivers aggressive security/patch updates on your original version of Android

Provides instant notification when updates are available

Automatically identifies which devices are eligible for an update

Easily manage the entire OS update process remotely — no hands-on needed

Migrate to the next version of Android at your own pace

LifeGuard fills the gap in consumer device security

Get the security peace of mind you need to get the rugged devices you want

CONSUMER Android Mobile Devices

3 YEARS OF SECURITY SUPPORT

3 years of security support from Google

No coverage available - devices are unsecured



ZEBRA VC8300

10 YEARS OF SECURITY SUPPORT

5/5: 5-year device sale period + 2 years post end-of-sale

Year 1: No cost - part of your warranty

Years 2-7: Included with any Zebra OneCare support contract – no additional cost

3 years of additional support, available for purchase

Years 1-7

Years 8-10

Provides the confidence to invest in rugged Android enterprise devices with a long lifespan...without compromising OS security support



Superior Radio System

ROCK-SOLID WI-FI CONNECTIONS WITH SUPPORT FOR THE LATEST STANDARDS

WiFi

Increased range, faster data speeds and stronger, more reliable connections

802.11a/b/g/n/ac/k/r

2 x 2 MIMO

Next-generation AC offers 3x the throughput of 802.11n

Switchable internal or external antennas

Enhanced roaming technology — optimized for vehicle applications

Bluetooth 5.0

Better performance from your wireless peripherals

2x the speed, 4x times the range and 8x the data*

Reduced power for longer battery cycles

Maximize worker productivity with cordless scanners, headsets and printers

Support for Wideband Audio for crystal clear voice picking applications

* Performance improvements over Bluetooth 4



Drop-in replacement for legacy vehicle computers

Just swap the
VC8300 with any
existing Zebra
vehicle mount
computer — such
as the VH10 and
8525 and...



Use the
same
mounts

Use the
same power
cables

Use the
same
applications

Use the
same
accessories

Save time, save money...
and get the latest platform for your warehouse.

The ultimate ultra-rugged design

Super-rugged design for years of reliable operation

BUILT TO SURVIVE CONSTANT POUNDING AND VIBRATION

**IP66 dust-and-water
tight sealing – including
the connectors**

**Cast aluminum
housing**

**Extreme shock,
vibration and thermal
shock testing**

**Extreme
temperature rating:
-22° F to +122° F/
-30° C to +50° C**

FREEZER OPTION

FOR YOUR COLDEST SUPPLY CHAINS

Internal heater for
condensation control

Touch screen heater to
minimize condensation and
ice on the screen

Elastomeric keyboard works
even when lightly iced and
keyboard drainage holes
prevent heavy icing

Built-in intelligence with inside and
outside temperature sensors to
automatically turn the heaters on
and off as needed

Zebra makes the only Android vehicle computers
built for freezer-condensing environments.



The ultimate in flexibility

EASY TO MOUNT

In virtually any warehouse vehicle

Choice of mounting options

RAM and U mounts

Accessories for easy
side-mounting of scanners

Easy installation in
the location that provides
maximum ease of use and
maximum operator visibility

Backward compatibility
adapters to legacy
mounting hardware

10
SECONDS

**Remove the
VC8300 in 10 seconds
with the quick release
mount for easy, pain-
free maintenance.**



INPUT POWER SYSTEM THAT WORKS IN ANY ENVIRONMENT



1

Integrated power supply for 12/24/36/48 V trucks

2

Optional pre-regulator for 72/80 V trucks

3

Integrated power filter for noisy truck power

4

Backward compatibility to legacy VCs with DC power cables adapters

Heated and vented UPS battery charges/ discharges over the full operating temperature range and ensures continuous operations at power drops and truck battery changes



World-class scanning options and deployment simplicity

**A complete family
of Zebra scanners
for virtually any
scanning need**

Handhelds

Handheld 1D lasers
and 1D/2D imagers
to meet the specific
scanning
requirements of
your warehouse

Extended Range

Capture barcodes on
your uppermost
warehouse shelves
— as far as 70 ft./
23.3 m away

Wearables

Ring-style scanners
for hands-free
scanning, maximizing
comfort and
productivity

**Best in class
scanning
performance and
deployment
flexibility**

Virtually any condition

Capture damaged,
poorly printed, dirty and
scratched barcodes
with ease

Easy deployment

Configure with SSI;
pair easily by
scanning the barcode
label on the VC8300
or on-screen
ScanToPair barcode

Flexible ports

High powered RS232
or USB for corded
scanners; Bluetooth
for cordless scanners



The background of the slide is a photograph of a warehouse interior. A forklift operator, seen from behind, is driving a forklift. The warehouse has a high ceiling with visible structural beams and lighting fixtures. The floor is a light-colored concrete. The overall scene is brightly lit.

Repairable, right right on the spot

Keyboard and
UPS battery
are field replaceable

Increases device
availability and your
return on investment

Minimizes
trips to the
service depot

Mobility DNA — delivering
an unmatched feature set



INTRODUCING

MOBILITY DNA

EXPERIENCE A NEW BREED OF MOBILITY.

What is Mobility DNA?

Mobility DNA's unique software ecosystem transforms the world's most popular consumer operating system — Android — into an enterprise-ready force. Now, the pains common to other enterprise mobility platforms disappear — making application management simpler, integration problem-free and operations a powerhouse of productivity.

For more information about Zebra's value add Mobility DNA solutions, visit www.zebra.com/mobilitydna

12 Value-added Mobility DNA Tools

9 FREE TOOLS — 8 PRE-LOADED AND READY TO USE, RIGHT OUT OF THE BOX

Business Tools



Workforce Connect
PTT Express



Workforce
Connect PTT Pro

Management Tools



LifeGuard



WorryFree
WiFi



StageNow



Enterprise
Home Screen

Productivity Tools



All-touch TE



Enterprise Keyboard



DataWedge

Development Tools



Mobility
Extensions (Mx)



Enterprise
Browser



EMDK for Android
and Xamarin

Green = free Yellow dot = pre-loaded

Mobility DNA: 2 Business Tools

IMPROVE COLLABORATION WITH CO-WORKERS AND CUSTOMERS



Workforce Connect PTT Express

Provides basic push-to-talk over WiFi with Zebra mobile devices, right out of the box — no additional infrastructure required

NO COST

INTEGRATED



Workforce Connect PTT PRO

Provides advanced push-to-talk over WiFi and cellular networks with Zebra mobile devices

Fee

Downloadable

Mobility DNA: 3 Productivity Tools

MAKE IT EASIER FOR YOUR WORKERS TO CAPTURE INFORMATION



All-touch TE

Automatically migrate your Terminal Emulation apps to Android quickly and easily — and when you're ready, migrate to a modern interactive HTML interface.

NO COST

INTEGRATED



Enterprise Keyboard

Provide your users with the Android soft keyboard they need to maximum data entry simplicity. Users can choose from 5 keyboard layouts with specially-sized keys for any size fingers, 4 methods for feedback, 4 auto-correct features, the ability to add your business vocabulary to a personal dictionary and more.

NO COST

Downloadable



DataWedge

Automatically integrate the data you capture with your Zebra devices into your applications — from barcodes and photos to NFC and magnetic stripe data

NO COST

INTEGRATED

Mobility DNA: 4 Management Tools

TAKE DEVICE MANAGEMENT SIMPLICITY TO A WHOLE NEW LEVEL



LifeGuard

A lifetime security guard for your Zebra Android mobile devices, providing powerful automated management of the OS update process and security updates and patches for up to 10 years.

NO COST*

INTEGRATED



WorryFree WiFi

Get the unmatched WiFi radio performance, issue analysis, troubleshooting and problem resolution, delivering superior application performance and exceptional voice quality.

NO COST

INTEGRATED



StageNow

Quickly and easily stage your Zebra Android mobile computers, including industry-first control over access to Google Mobile Services (GMS).

NO COST

INTEGRATED



Enterprise Home Screen

Make sure your Zebra Android devices will only be used for work by defining which apps and which device features are available.

NO COST

INTEGRATED

*Included with product warranty at no cost. Included as part of any Zebra OneCare Support contract, post-warranty period.

Mobility DNA: 3 Development Tools

SIMPLIFY APP DEVELOPMENT AND FORTIFY CONSUMER ANDROID FOR THE ENTERPRISE



Mobility Extensions (Mx)

Provides a layer of features that lift standard consumer Android to a true enterprise-class operating system. And you're in charge — you choose which features you want to activate, and when.

NO COST

INTEGRATED



Enterprise Browser

This powerful, next generation industrial browser allows you to build feature-rich web applications that integrate seamlessly with the features in Zebra mobile computers and peripherals — including barcode scanning, signature capture and more.

Fee

Downloadable



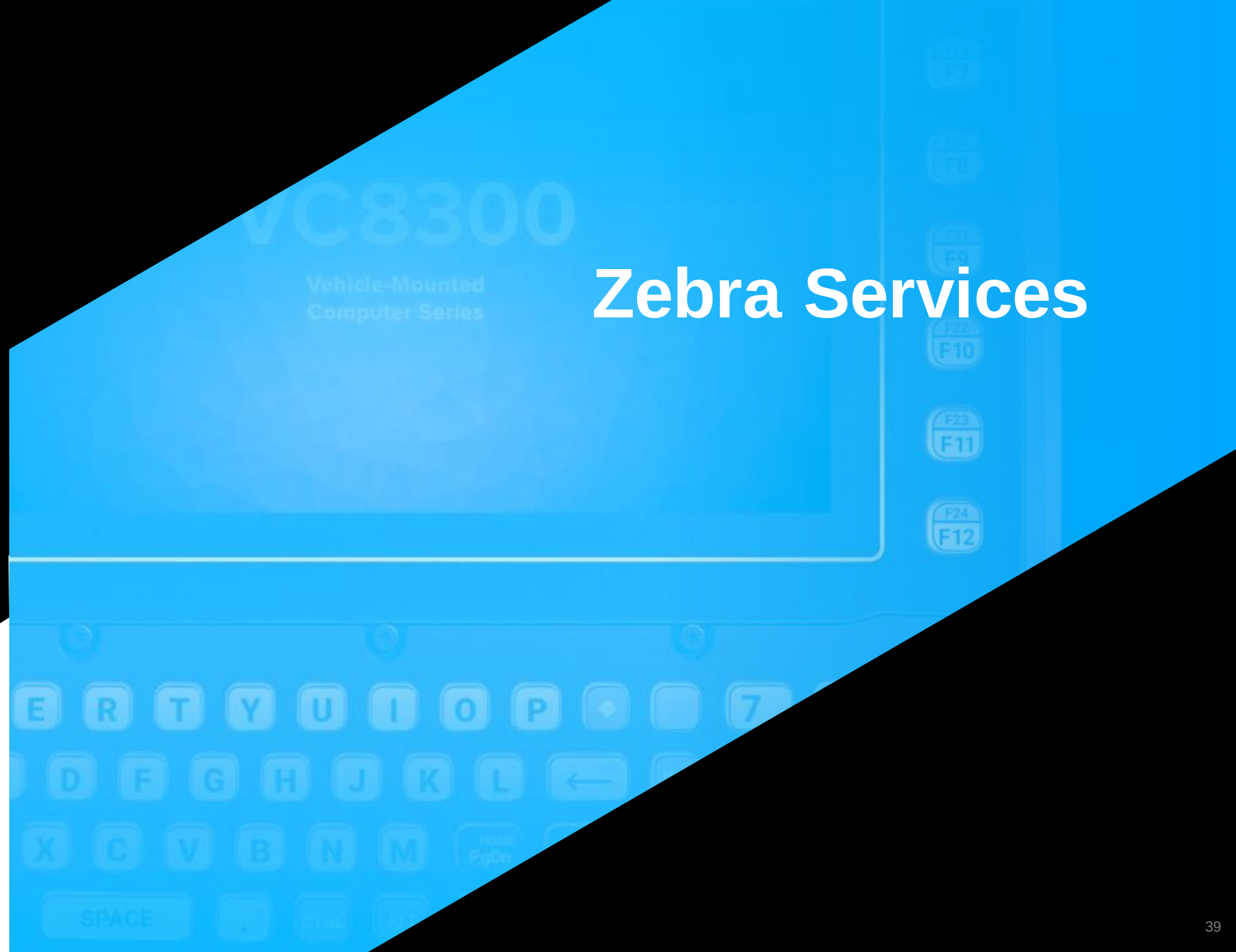
EMDK for Android

Integrate all the features and functionality in Zebra Android mobile computers into your applications quickly and easily

NO COST

Downloadable

Zebra Services





Optional Zebra OneCare Support Services

You count on your vehicle mount computers to handle and ship more orders every day. With Zebra OneCare, you can ensure predictable performance, support for critical operations and improved business outcomes while eliminating unbudgeted repair expenses.



ESSENTIAL Basic Assurance

- Comprehensive repair services
- 3-day repair turnaround time (TAT)
- 8x5 Live-Agent technical support
- 3-or 5-year coverage
- Access to software updates
- Optional visibility services

SELECT Maximum Protection

Zebra OneCare Essential features, plus:

- Advance device replacement
- 24x7 Live-Agent technical support
- 3-or 5-year coverage
- Spare pool management
- Device commissioning
- Optional visibility services

BENEFITS

- **Enhanced support**
Goes well beyond standard warranty
- **Genuine Zebra expertise and parts**
Maximizes device uptime – ensure your mobile computer is back to Zebra's manufacturing specifications
- **Outstanding value**
Eliminates unexpected repair costs with a planned support agreement
- **Frees support staff**
Let Zebra handle support, while you focus on your strategic initiatives

Optional Zebra OneCare Visibility Services

Predictive Insight that maximizes return on investment, performance and high availability

Answer critical device questions, such as:

- Where are my devices?
 - Are they ready to use?
 - How many devices are in the repair depot?
 - Which devices are being under-utilized?
 - Are any devices missing?
 - How many devices are out of contact?
 - Are there problems with wireless connectivity?
- ...and much more.

Optional visibility services to add to your Zebra OneCare support contract

Asset Visibility Service (AVS):

At-a-glance insight into basic asset visibility and health
(no MDM required)

Operational Visibility Service (OVS):

See deep operational insight into your VC8300 computers and other Zebra and non-Zebra devices

ZEBRA ONECARE VISIBILITY SERVICES

ASSET VISIBILITY SERVICES (AVS)

At-a-glance insight into asset inventory and health, no MDM required.

- High-level visibility to enterprise asset inventory:
 - Device quantity, location, proper allocation and status
 - User-defined asset tagging and naming
- Device health, actionable intelligence including recommended corrective actions, utilization, smart battery usage, and alerts for contract expiration
- Repair history and contract status
- Online dashboard from browser- or tablet-based application
- While no MDM is required, AVS is complementary to your MDM

OPERATIONAL VISIBILITY SERVICES (OVS)

Integrated management platform works with your MDM to deliver more intelligence to improve business outcomes.

- Much more insight than an MDM alone
- Single pane of glass simplifies complexity of big data available from multiple source systems including the MDM
- Automates interpretation through reporting and visual alerts related to the identification, condition and location of critical business devices
- Easy to understand actionable information based on trending and historical data
- Customized thresholds and dashboard views
- Integrated management platform with an integrated MDM (SOTI), or connect to your existing supported MDM via OVS Connect



Zebra— a True Mobility Partner

World's most comprehensive portfolio of Android devices for the warehouse

Drive growth with a smarter warehouse – benefit from a shared OS, management and mobility platform across multiple device types in the warehouse and supply chain



MC3300 and MC3200

Three rugged models – brick, gun and turret – bring all day comfort to every task, from cycle counting to putaway, replenishment and voice-directed picking



MC9300 and MC9200

The gold standard in mobility for the most demanding warehouse environments. And the new features in the MC9300 will boost productivity 10% compared to the leading competitive device



TC8300 and TC8000

An innovative touch screen design and extensive productivity-enhancing features add an extra hour of productivity per worker to the workday



WT6000

Sets a new standard for enterprise-class wearability. It's smaller and lighter than other wearables on the market and fits comfortably on every worker, on any size arm



VC8300 and VC80x

With its super rugged design, Zebra vehicle mount computers can go everywhere your vehicle operators need to go — inside the warehouse, out in the yard, on the loading dock and even in the freezer

The leader in enterprise Android

- Zebra has committed to Android since 2011
- Zebra is the undisputed leader in enterprise Android: 64% marketshare and 21 Android-based products
- Zebra added important enterprise security, device management, application management and data capture features
- No other vendor offers such a comprehensive ecosystem of software to support Android in the enterprise

Only Zebra offers a deep understanding of software and industry needs



Zebra FACTS

Channel partners in **more than 100 countries**
Customers include **more than 95 percent**
of all Fortune 500 companies

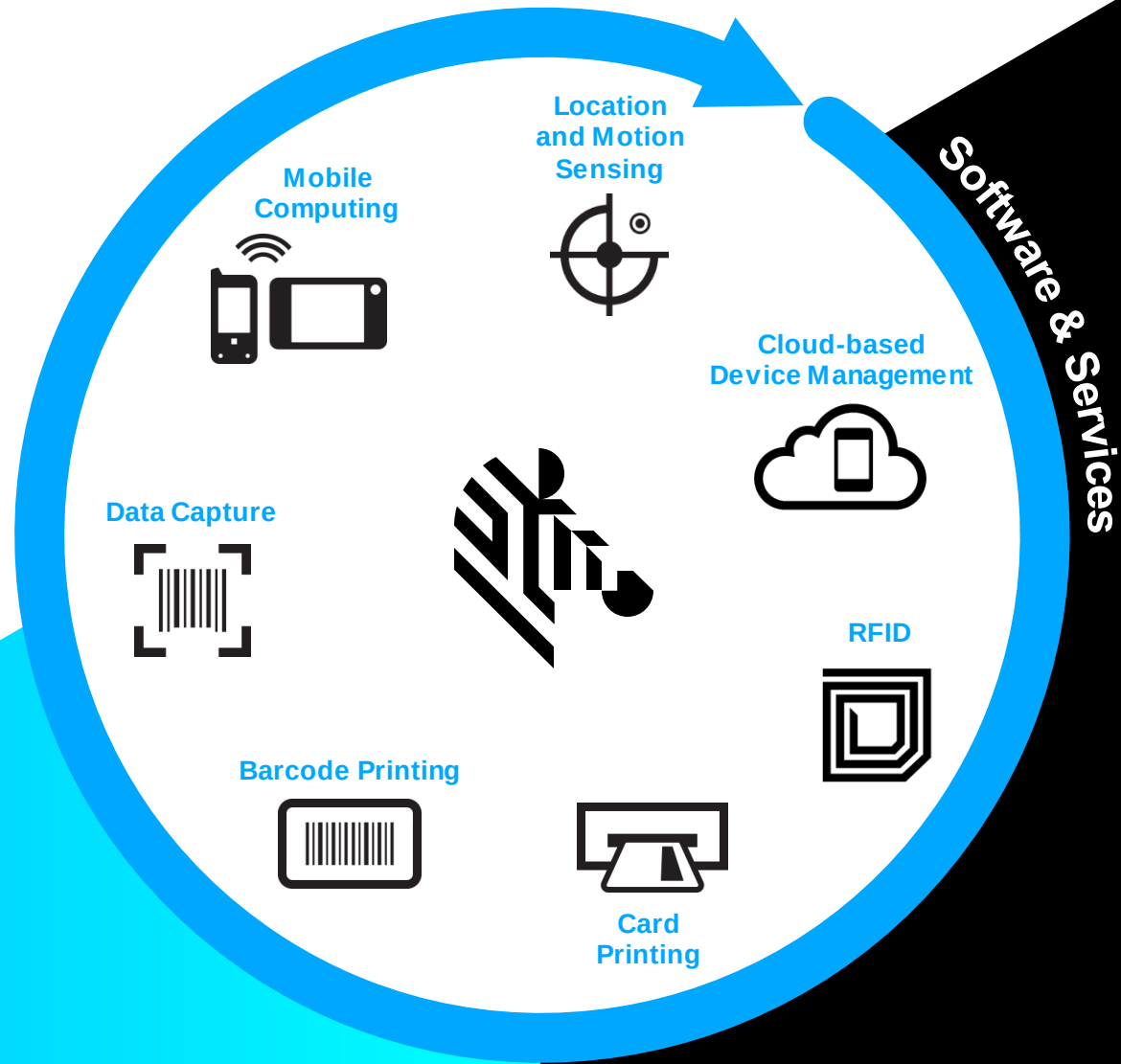
~7,000
employees
worldwide

122+ offices
across 81
countries

~\$8.3
billion market cap

4,200+
US & international
patents issued
and pending

Key Technology Offerings



Unmatched Breadth

**EVERYTHING YOU NEED TO SIMPLIFY YOUR EVERYDAY PROCESS,
ALL UNDER ONE ROOF – PRINTERS, MOBILE DEVICES, SCANNERS, RFID,
SOFTWARE SOLUTIONS AND SERVICES**



Industrial printers

Handheld RFID readers

Desktop printers

Fixed RFID readers

Mobile printers

Interactive kiosks

Card printers

Fixed mount scanners

Mobile computers

Mobile device management

Handheld barcode scanners

End-to-end services

Thank You



April 19, 2019.

Features are subject to availability. Specifications are subject to change without notice.

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