



Android in Healthcare

BETTER CONNECTIONS, BETTER CARE.



The Challenge:

CONSISTENTLY PROVIDE SAFE, EFFICIENT AND OUTSTANDING PATIENT CARE

Connections are critical to healthcare: connecting the right sample to the right patient, connecting providers to critical patient records, connecting caregivers to colleagues, and connecting patients to their providers. Zebra is at the forefront of enabling real-time connections throughout the care continuum with industry-leading, healthcare-centric patient identification, mobility and intelligent solutions. With Zebra, mobile interactions are proven, real-time, secure and streamlined to minimize barriers, so care providers can maximize their time at the point of care and stay connected with their patients, colleagues and assets.

The Solution:

USE ZEBRA FOR ANDROID TO ENHANCE PATIENT CARE, REDUCE ERRORS AND BOOST EFFICIENCY

Zebra for Android equips healthcare professionals with an easy-to-use interface and devices that are toughened and protected against the routine hazards of hospital life. With Zebra, Android is a true enterprise-class operating system, fully compliant with the device and application management requirements of healthcare.

Patient identity, clinical mobility and asset intelligence are all enhanced and made easier to manage. For example, the TC51-HC is a modern, fully-featured mobile computer that gives users immediate visibility of essential information, helping to reduce errors and improve the patient experience. And it can withstand constant sanitizing with disinfectant cleansers.

The global dominance of Android (the world's most popular mobile operating system) means there is a shorter learning curve as the intuitive touch screen interface is familiar to all mobile OS users.

Zebra's Mobility Extensions (Mx) add an extra layer of security and control to Android, helping to ensure the security and integrity of patient data. And with the Zebra Mobility DNA software ecosystem, Zebra for Android devices can easily be integrated into your existing systems.

The World's Most Comprehensive Android Portfolio For Healthcare

Zebra for Android devices are engineered for long working lives, maximizing your return on investment. You can expect at least three years of operation, with an additional three years of technical support.

- Battery life is optimized for shift-long operation
- Replaceable batteries reduces the need for spare devices
- Devices support VoIP and PTT communication
- Centralized management simplifies upgrades and troubleshooting

Tracking Patient Identity

Process automation has a key role to play in reducing errors in patient identity management. Barcode scanning and providing better information at point of care can eliminate many costly errors. Zebra for Android, with the Zebra Mobility DNA software ecosystem, allows you to equip front-line staff with the devices and apps they need to minimize mistakes and ensure records are kept accurate and up-to-date.

The **MC40 HC mobile computer** incorporates barcode scanning to reduce errors in drug administration, apps for quick and easy access to patient records, and even push-to-talk voice communication. It is pocket-sized and toughened for the demands of work in busy hospitals, with shift-long battery life.

The **TC51-HC is a pocket-sized mobile computer**, disinfectant ready and durable, that provides multi-functional capabilities. It includes advanced point-and-shoot scanning and shift-long battery power, saving crucial time every day.

Clinical Mobility

Every moment lost in the delivery of treatment, whether it's urgent or over a long period, is costly and can increase the distress of the patient. With Zebra for Android, doctors, nurses and support staff have instant access to the digital resources they need, wherever and whenever they need them. Informed decisions can be made on the spot and records can be updated from the bedside.

The **MC40 HC** and the **SB1 HC** are tough mobile computers that give users quick and secure access to information and essential apps, helping to ensure effective and timely provision of care.

The **ET55 tablet** is ideal for users who need bigger screens, such as consultants or doctors checking scans or complex records. With IP65 sealing and toughened casing, this device is built for more challenging environments. It also supports secure connection to LTE mobile networks, so it can be used away from the main hospital network.

The **TC51-HC mobile computer** provides voice, data and access to apps on or off site, putting the power and versatility of Android into the hands of users wherever they need it. Paramedics or ambulance drivers, clinicians or maintenance teams—everyone can connect to the information and resources they need to work efficiently and with successful patient outcomes as the priority.

Asset Intelligence

Understanding the interaction of people and objects in hospitals is a vital part of infection management. Keeping track of assets is also essential for the efficient delivery of patient care and the avoidance of waste. Automation, enabled by barcodes and apps, can transform the process of asset management, reducing the risk of error and helping to control costs. Zebra for Android empowers users with robust devices that simplify and streamline the critical process of data capture, helping to facilitate rigorous and effective asset management programs.

The **MC40 HC** and **TC51-HC mobile computers**, as well as the **ET55 tablet**, equip users with the full capabilities of Android. They are easy to use and can incorporate functions such as barcode scanning, document capture and push-to-talk communications.

All these devices are further enhanced on the inside with Zebra's Mobility DNA – a comprehensive suite of applications, utilities and development tools. You gain from access to a whole range of off-the-shelf end user apps, robust administration utilities and effortless app development tools, so you can reach new levels in efficiency, productivity, security and accuracy.

Mobility DNA Components

WORKFORCE CONNECT

With push-to-talk, text messaging and the ability to function as a mobile PBX desk phone, users can perform all tasks on one device. Voice and data workflows can be fully integrated, reducing the number of steps required to complete just about any task. In addition, completely secure connections means users privacy is never compromised.

SIMULSCAN

This is the next generation in automated document capture for Android. The contents of an entire form can be captured in a single scan, including bar codes, text fields, phone numbers, images, signatures and even check boxes. Applications can be populated instantly with accurate data, saving time and reducing the risk of errors.

SWIPE ASSIST

Swipe Assist allows users to capture barcodes, documents and photos at the touch of a fingertip. A virtual data capture button can be created on the screen, bringing the simplicity and flexibility of touch computing to data capture. Users can simply tap the onscreen button to scan a barcode, capture information on a document, or take a picture, with no need to use the physical data capture button.

ENTERPRISE KEYBOARD

The standard consumer Android soft keypad is not always compatible with the needs of busy healthcare professionals. Key size, lack of auto correction for medical terms and other factors combine to reduce data entry efficiency and accuracy. Enterprise Keyboard is designed specifically for ease of use in the workplace. It enables rapid entry of accurate data, helping to reduce errors and increase productivity.

MOBILITY EXTENSIONS (MX)

Mx is pre-installed on Zebra for Android devices at no extra cost. With Mx, you get robust enterprise-class security and manageability, with professional data capture support and superior Wi-Fi connections. You are in complete control of which optional features you want to activate. You can extend the features in your current MDM to your Zebra for Android mobile computers, while aligning your device management strategy with the needs of your users.

ENTERPRISE HOME SCREEN

Built on Mobility Extensions (Mx), Enterprise Home Screen improves productivity by ensuring devices are utilized only for work. You can create a single-purpose device with Kiosk Mode, control available applications and device features and secure your Enterprise Home Screen environment, all with an easy-to-use administrator tool that does not require developer expertise or programming knowledge.

ALL-TOUCH TERMINAL EMULATION

Convert legacy green screens into modern, all-touch user experiences, with no need for HTML5 coding. The all-touch terminal emulation engine is designed specifically for wireless connectivity, providing the fast screen refresh rates today's users expect, and allowing users to move seamlessly between Wi-Fi and cellular networks.



**FIND OUT HOW ZEBRA FOR ANDROID CAN IMPROVE EFFICIENCY AND ACCURACY,
REDUCE RISK AND ENHANCE THE PATIENT EXPERIENCE AT [ZEBRA.COM/ANDROID](https://www.zebra.com/android)
AND LEARN ABOUT ZEBRA'S HEALTHCARE SOLUTIONS AT [ZEBRA.COM/HEALTHCARE](https://www.zebra.com/healthcare)**

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