

MOBILITY EDGE™

UNLEASH YOUR POWER AND POTENTIAL

Solution Brief



Honeywell

MOBILITY EDGE™ ALLOWS YOU TO STAY AHEAD OF THE CURVE AND AHEAD OF THE COMPETITION

Honeywell's Mobility Edge™ is a durable, stable and secure unified platform that enables seamless evolution of mobile computing devices and software, helping you stay on top of emerging technology and ahead of the competition today and for years to come.

SITUATION

In today's ever-changing world of technology, many companies find themselves saddled with a variety of devices in multiple form factors, which run a variety of applications for different tasks and complex IT infrastructures to support them. Such use of mobile computing solutions can be difficult to manage and costly to maintain. Different technology platforms must also be used to support these solutions, resulting in siloed provisioning and application support.

When deploying a variety of devices built upon different technology platforms, business optimization is lost. Devices that are optimized for the customer-facing operations may not communicate well with devices used to pick products in back-of-store or warehouse environments. To get devices working together seamlessly, IT specialists must configure these devices across the enterprise, which can be slow, labor-intensive and costly.

Companies also face the possibility that devices could be misused or damaged when they are deployed among a workforce. Device downtime – due to physical damage, degradation of battery health or the need for application updates – can hamper productivity and take valuable time and money off the table. There is a growing need for a solution that allows companies to take proactive and preemptive data-driven actions to solve business optimization challenges and mitigate potential productivity pitfalls.



Without effective platforming, emerging technology can result in mobile computing devices that were once on the cutting edge of yesterday, ending up being not suitable for the future. Shorter device lifecycles cause frustration among managers and device users alike and can create adverse impacts on productivity, security and return on investment. When technology isn't forward compatible, security suffers, causing companies to become vulnerable to potentially crippling security breaches.

Companies are searching for a durable, stable and secure mobile computing platform they can invest in, and rest assured that their stake in the future is embedded in a solid foundation for years to come.

SOLUTION

When you are invested in mobility solutions, you need a durable, stable and secure platform to maximize and

protect that investment. Honeywell's Mobility Edge platform is designed to answer those needs. Honeywell deeply understands the pain points of companies wanting to deploy a mobile computing solution that will provide a return on their investment for years to come. By design, Mobility Edge is built to enable seamless evolution, allowing enterprises to realize greater efficiency, simplicity and opportunities to innovate and grow with confidence. Mobility Edge-backed devices can be configured once and rapidly deployed throughout the workforce without sacrificing security. By minimizing device configuration downtime through accelerated deployment, strengthening the security of the platform, extending the lifecycles of the devices and optimizing business outputs, Mobility Edge is designed to enhance the productivity of the retail store associate, the warehouse floor manager and the delivery driver within one unified platform.

FOUR REASONS TO USE MOBILITY EDGE™ FOR YOUR MOBILE WORKFORCE

Taking control of your enterprise mobile devices does not need to be complicated.

When deploying an innovative mobile computing platform into your enterprise, you want to know that your investment will be a good fit for your workforce for years to come. By utilizing the Mobility

Edge™ platform, you are deploying a platform that is based upon extensive research gathered from Honeywell's global community of customers from a range of technology and industries.

Honeywell understands the challenges faced by today's mobile workforce. That is why we designed Mobility Edge to extract the most amount of power and potential you and your workers have each day.



A DURABLE, STABLE AND SECURE PLATFORM:
MOBILITY EDGE



REASON 1: ACCELERATED DEPLOYMENT

The solution to slow, labor-intensive implementations is accelerated deployment with Mobility Edge.

With the common platform offered by Mobility Edge, you can validate all your mobile computing devices, use cases and software once, and then deploy them across the enterprise in multiple form factors. All of this is done faster, easier and at a lower cost.

For example, in a retail setting, you may have a variety of devices that are optimized for different environments such as the front of the store or backroom, and others for the distribution or fulfillment center.

With Mobility Edge, all of these devices are unified on the same core platform. Your one-time investment in setup, deployment and provision is reusable across all devices.

TOOLS TO ACCELERATE DEPLOYMENTS

Quickly configure and deploy devices into the hands of mobile workers with a comprehensive provisioning toolkit including:

ENTERPRISE PROVISIONER – Allows you to create XML files or barcodes that contain provisioning instructions and configuration settings that can easily



be scanned by the device operator to provision their device and make it ready for use – quickly, reliably and with no error-prone manual entry of settings.

SETUP WIZARD – Enables you to quickly set up and configure devices by scanning barcodes, reading QR codes or tapping an NFC tag.

STAGING HUB AND OPERATIONAL INTELLIGENCE – Allows you to push a bundle of applications and configuration settings to your entire fleet of devices. Staging Hub and Operational Intelligence allows you to see all your devices within the network from a central console and push bundles to each device.

SECURE PROVISIONING – Part of the architecture of the product, Secure Provisioning uses cryptographic methods to ensure that each device is securely set up and unalterable by a third-party intrusion.

ANDROID™ ZERO-TOUCH

ENROLLMENT – Allows IT to deploy corporate-owned devices in bulk without having to manually set up each device. Users just open the box and start using the device with management, apps and configurations all set.

BACKWARDS COMPATIBLE

ACCESSORIES – Common universal backwards-compatible accessories accelerate, simplify and lower the cost of upgrading Mobility Edge devices.



REASON 2: OPTIMIZED BUSINESS PERFORMANCE

The Mobility Edge™ platform is designed to take enterprise mobility to the next level. Applications, APIs, SDKs and tools enable deep integration to optimize business performance.

Consider the cost of a single device or application not being available for use during a shift. What about over the course of a year?

According to VDC¹, just one instance of device failure or unavailability per shift multiplied across a year can cost you \$20,000 in annual support and productivity loss per mobile worker.

TOOLS TO OPTIMIZE BUSINESS PERFORMANCE

Take advantage of a range of features to provide the greatest reliability and uptime from your mobility solution, including:

DATA CAPTURE TOOLS – Honeywell devices include state-of-the-art barcode scanning capabilities and best-in-class computing processor performance that streamline and error-proof work. Scan both near and far from the same device, improving ergonomics and productivity.

WIRELESS TETHER – Stay connected to Bluetooth-enabled devices with wireless tethering that alerts mobile device users when they lose connection. If a user inadvertently lays down the device



and walks away while wearing a wireless headset, an alarm sounds, prompting the operator to go back and retrieve the device.

BATTERY HOT SWAP – Select Honeywell devices support swapping out batteries without rebooting the device, enabling the operator to resume work at the point where they left off.

SOFTWARE CLIENT PACK – This suite of three business apps includes a smart Terminal Emulator for data capture and input to back-end legacy server processes. It also includes the Honeywell Launcher and Enterprise Browser to control employees' access to approved apps and websites only.

UEM CONNECT – SDKs and APIs enable deep integration and customizations. UEM Connect provides MDM ability to configure proprietary device settings and provides access to device data to generate insights, such as device usage and health.

OPERATIONAL INTELLIGENCE – A centralized, cloud-based platform to manage the complete lifecycle, operational visibility and performance information of assets, people and tasks. Bridging the gap commonly missed by traditional asset or mobile device management solutions, Operational Intelligence can track, analyze and report on the operational performance and health of your deployed devices.



REASON 3: EXTENDED LIFECYCLE

Shorter device lifecycles cause frustration for managers and device users, alike, and cause adverse impacts on productivity, security and return on investment.

Mobility Edge is Honeywell's answer to the need to extend the life of your mobile devices – and get full return on your solution investment. Mobility Edge devices and software are designed for forward compatibility as far into the future as possible.

ANDROID VERSION FORWARD COMPATIBILITY – We have collaborated closely with Google on their Android™ mobile OS, and with Qualcomm®, to provide a guarantee of compatibility and support for Mobility Edge with as many future Android versions as possible.

EXTENDED ANDROID SECURITY UPDATES – If a business chooses not to upgrade Android versions, or the device has reached the end of its forward compatibility,

Honeywell extends support by providing security patches to prior Android versions.

SELF-DIAGNOSTICS – All Mobility Edge devices have an integrated self-diagnostics utility, allowing users to identify and diagnose basic device issues.

RUGGED – Mobility Edge devices are purpose-built to suit the application with impressive ruggedness. Software also helps to identify and address device abuse.

1. <https://www.globenewswire.com/news-release/2018/12/06/1663028/0/en/New-Data-Finds-Poor-Enterprise-Mobility-Connectivity-and-Performance-Costs-Companies-20-000-Per-Year-Per-Mobile-Worker.html#>



REASON 4: STRENGTHENED SECURITY

We live in a time where security breaches are a constant threat to daily business.

In 2019, the average cost of a data breach was \$3.9 million, according to IBM², and it could've been much more.

Just a few years ago, one large national U.S. retailer experienced a security breach that exposed the sensitive data of millions of consumers. The cost in IT, legal, remediation and related expenses approached \$300 million³.

HOW HONEYWELL STRENGTHENS DEVICE SECURITY

Honeywell has a deep institutional and cultural focus on security across multiple domains. We invest over \$50 million annually in cybersecurity and employ 300+ dedicated security professionals who are focused on protecting our customers.

We design security into our products, policies and processes. The best way to ensure that you have a secure device is to make sure that you are using the most recent version of the operating system and up-to-date security patches. We provide a regular security patch cadence for Mobility Edge™ devices at least every 90 days



and as frequently as every 30 days.

Our built-in, designed-to-deliver security process has a strong emphasis on programming security into products to anticipate and mitigate risk. We do this by embedding deep domain knowledge of industry-leading security practices throughout our full design and development process to ensure our solutions are as secure as possible from the start.

Proven through our partnership in the aerospace industry and with governmental partnerships we mitigate

our vulnerabilities to attack through continuous testing, authentication safeguards and adherence to best programming practices.

This is not anything new for Honeywell. We have had over 1,000 global engagements since 2006, and we are the provider of managed security services for over 350 industrial sites. To continue our focus and lead the way in the industry, we put in place the industry's first Cybersecurity Risk Manager and developed strategic partnerships with leading cybersecurity product vendors.

1. <https://www.forbes.com/sites/niallmccarthy/2018/07/13/the-average-cost-of-a-data-breach-is-highest-in-the-u-s-infographic/?sh=613d30862f37>
2. <https://www.thesistore.com/blog/2013-target-data-breach-settled/>

HONEYWELL'S COMMITMENT TO MOBILITY EDGE™

Honeywell is deeply committed to the Mobility Edge™ platform. In 2018, we launched the CT40 and the CT60, both running on the Mobility Edge platform and have since launched several other devices on the platform.

The most recent is the rugged CT45 XP, which offers support through Android™ 15*, WiFi 6 and the unique FlexRange™ scan engine. Rugged enough to

withstand 3,000 half-meter tumbles, the CT45 XP is targeted at logistics, delivery, grocery and hard goods retail operations.



CT45 / CT45 XP mobile computer

ARE YOU IN THE PROCESS OF DESIGNING A MOBILE COMPUTING SOLUTION?

See more of our Mobility Edge backed devices:

The CT40, a durable touchscreen computer designed for retail, hospitality and light field mobility applications. The CT40 is an intuitive, compact productivity tool optimized for hours of comfortable use.

The CT60, a rugged business tool for highly mobile frontline workers in scan-intensive workflows in pickup and delivery, DSD and postal/courier applications. It offers a long-lasting battery, high-performance, FlexRange scanning and exceptional durability and reliability.

The CK65 mobile computer, an ultra-rugged solution for warehouse, manufacturing and cold storage environments, with touchscreen and multiple keypad data input options for quick data entry and enhanced scanning read ranges of up to 15.2 m (50 ft).

The CN80 mobile computer, a dual-purpose device that works indoors in the warehouse, but also combines an ultra-rugged design with 4G LTE cellular for anywhere, anytime connectivity out on the road. The most durable handheld Honeywell has ever made, it features both keypad and large touchscreen interfaces for quick, efficient data entry.

Thor™ VM1A and VM3A, the world's top-selling vehicle-mounted computers, upgraded to Mobility Edge and the Android operating system. They provide diverse size, display and keypad options to support any forklift application. The Smart Dock enables use on multiple vehicles and reduces support and maintenance costs. A field-replaceable front panel minimizes downtime.

The RT10A 10-inch rugged tablet that is drop, vibration and crash tested for mounting on forklifts and other vehicles in the warehouse, yet suitable for field mobility applications with 4G LTE cellular capability.

ANDROID ENTERPRISE RECOMMENDED PROGRAM

Mobility Edge devices are validated through the Google-led Android Enterprise Recommended (AER) program. This means these rugged devices meet, and more commonly exceed, the defined technical specifications and extended

lifecycle support requirements of the Google AER program that customers have come to expect.

Customers can select with confidence knowing these devices are built for hard enterprise environments and can withstand the abuse of daily activities.

They can deploy easily using multiple provisioning options including Zero-Touch Enrollment, Google's fast and simple deployment method. And devices will remain up to date over long multi-year deployments with guaranteed security.

*Commitment to support subject to feasibility.

MOBILITY EDGE™ MEANS BUSINESS. UNLEASH YOUR POWER AND POTENTIAL.

CONTINUOUSLY DELIVER:

The Mobility Edge™ promise is to deliver continuously, providing better value, lowering risk and increasing return on investment through:

STANDARDIZED API/SDKS:

Standardization reduces integration efforts while improving functionality across applications and devices.

STANDARDIZED CONFIGURATION:

Configure once, apply universally across device types.

SOFTWARE MANAGEMENT: Visibility and management of software licenses across devices. Know what licenses are needed when, more easily manage and deploy.

DATA AND INSIGHT OFFERINGS:

UEM Connect and Operational Intelligence provide data and insights to improve operations.

EXPANDING CAPABILITIES:

MOBILITY EDGE ENABLES

SEAMLESS EVOLUTION: Always looking forward and helping to extend the value of your investment.

OS GUARANTEE: Guaranteed OS version compatibly without

gaps provides best available security and longer lifecycle.

NEW DEVICES AND FURTHER OS

COMPATIBILITY: New devices provide even further OS version compatibility.

COMMON ACCESSORIES:

Universal Dock provides accessory-forward compatibility between legacy and new devices.

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