

Multi-OS Support inside eMDM



Whitepaper



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With a growing number of mobile devices entering workplaces, IT admins are under pressure to select a unified endpoint management (UEM) platform that is capable of supporting multiple mobile operating systems, including iOS, Android, Windows and others. The eMDM solution offers multi-OS support for secure management and monitoring of both corporate and employee-owned devices.

All of these OS are currently supported with a variety of different feature sets:

 Android	 iOS	 Windows	 Windows Mobile	 Windows CE
 Android Wear	 Android VR	 Linux	 Mac OS	 Any OS

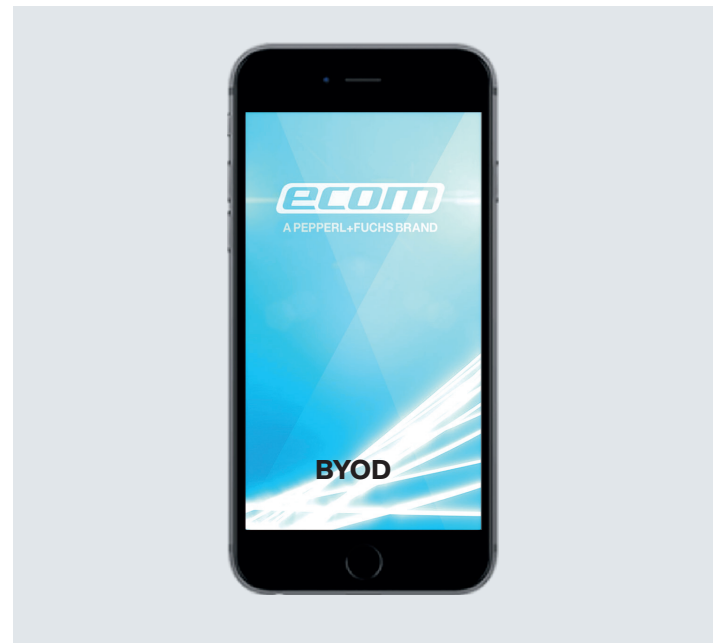
Highlighting Support for Some Major Operating Systems

1 Android

Android has been a dominant mobile platform for consumers. Over the years, to counter concerns about device and data security, Android has introduced new features to promote adoption in the business world.

1.1 BYOD with Android Enterprise

Android Enterprise consists of features and services that Google provides to facilitate the use of Android in the workplace. eMDM supports Android Enterprise (previously known as Android for Work), allowing IT admins to create dedicated containers on Android devices, secured with OS-level encryption to compartmentalize business and personal applications, and data. Creating dedicated workspace keeps business data secure and employees' personal data private.



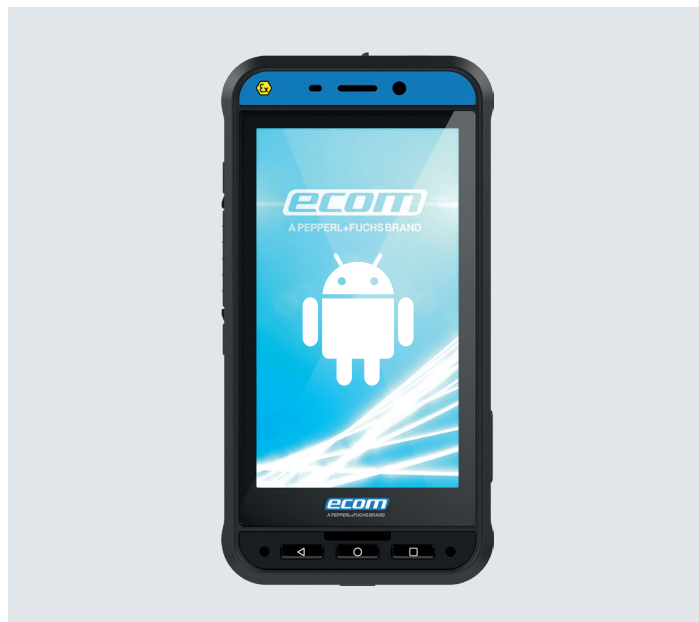
1.2 Samsung KNOX

eMDM uses Samsung KNOX technologies (KNOW Mobile Enrollment, KNOX enabled app) for strict control and management of hardware peripherals, Android settings, users and applications. This is crucial for most deployment involving company-owned devices.



1.3 Enterprise Agent Technology (EA)

ecom offers EA support for Android devices and helps them unlock powerful device management capabilities that are otherwise not present in the standard Android operating system. For example, EA support can enable silent app installation and upgrades, and full remote screen control.

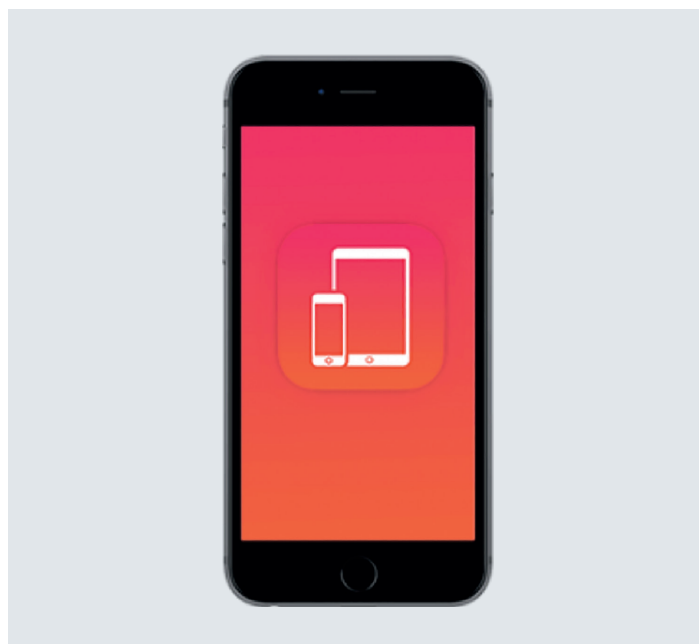


2 iOS

With iOS devices taking center stage as a popular choice for personal use, businesses are seeing an explosion in the number of Apple devices being used for business purposes. Inadvertently, this adds additional responsibilities on IT teams. eMDM solution offers advanced features for managing iOS devices and apps.

2.1 Device Enrollment Program

eMDM supports Apple's Device Enrollment Program (DEP), making it easy for enterprises to deploy our UEM solutions on a large number of iOS devices. Apple DEP-enrolled devices are preconfigured to fetch business apps, account settings, proxies and VPN settings from eMDM. Enterprises can remotely manage settings and profiles on end-user devices.



2.2 iOS Ready

With Apple's latest OS update, device and app experience for enterprise customers has undergone a huge change. eMDM is iOS ready and can manage iPhone or iPad devices running on the latest and previous versions of Apple OS. Allow supervised modification of Bluetooth settings and dictation, force Wi-Fi whitelisting, reboot devices over the air and shutdown devices over the air using eMDM.



3 Windows

With Windows working to reinforce its position in the market by providing new device models and features, IT admins are now able to have more command over device security and application management on Windows devices. eMDM can enroll, manage and secure Windows devices to get them business-ready.

3.1 Rugged Devices running WindowsMobile

eMDM offers mobility management solution to secure and manage rugged handhelds across verticals. It supports Windows Mobile operating systems starting from Windows CE 5, 6, 6.5 to 7 as well as Windows Mobile 5.X, 6.1 and 6.5 (professional/standard).

Windows 10

Windows 10 is the latest version of devices offering MDM APIs that allow enterprise IT admins to secure and manage the devices. ecom offers unified security and management support for Windows 10 devices, including laptops, PCs, and phones. Enterprises can quickly setup and configure remote security features.



4 Linux

Being one of the most widely adopted computer ecosystems, Linux boasts a user-base that spans across various industries. It is recognized as a versatile and cost-effective operating system for desktops, handhelds and special-purpose devices. eMDM provides remote management support for Linux devices, including remote installation of apps, file system control (create/delete directories etc), remote transfer of files and many more.

4.1 Raspberry Pi

This low-cost Linux based computer works with various Linux distributions. ecom offers support for Raspberry Pi running on Raspbian and UbuntuMate. eMDM allows businesses to secure and manage Raspberry Pi devices and perform file system functions, transfer files between directories, and more.



Sources

This whitepaper was originally released on 42gears website
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www.42gears.com/solutions/multi-os-support

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