

# What are Device Management and Mobile Device Management (MDM)?

The article helps you understand the features and benefits of Device Management in helping organizations and businesses manage devices, including mobile device management (MDM) and mobile application management (MAM). .

**Device Management** enables organizations to administer and maintain devices, including virtual machines, physical computers, mobile devices, and **IoT devices** . Device Management is an important part of any organization's security strategy. It helps ensure that devices are secure, up to date, and compliant with the organization's set of rules, with the primary goal of protecting the company's network and data from unauthorized access.

## 1. What is Device Management?

**Device Management** ensures that only authorized devices have access to confidential information of organizations/businesses. Similarly, device users can feel secure when accessing work data from their phone. Specifically:

- **Effective device management:** Device Management provides a set of tools to manage devices, including the ability to deploy and update software, configure settings, comply with rules, and track data as well as generate reports.
- **Manage both virtual and physical devices:** Device Management allows management of both virtual and physical devices, regardless of where they are located.
- **Supports multiple operating systems:** Device Management supports managing devices running popular operating systems such as Windows, macOS, iOS/iPadOS and Android.
- **Automate rule management and compliance:** Device Management enables automation of management and enforcement of policies for applications, device features, security, and general principles.
- **One point for device management:** Device Management provides a single point for managing devices, including the ability to manage from a central console.
- **Security and data protection:** Device Management ensures the security of data on devices and includes measures to prevent unauthorized access.

## ***2. What is Mobile Device Management?***

**Mobile Device Management** or MDM (mobile device management) is a software application used to manage endpoint devices, including laptops, smartphones, tablets, and other devices. other in the business.

MDM includes storing important information about mobile devices, deciding which applications are allowed to be installed on the device, tracking the device's location, and providing protections if the device is hacked. lost or stolen. Organizations often use **mobile device management software** from a third party to do this. Mobile Device Management provides many benefits, including:

- **Easy to deploy:** MDM can be deployed on-premises or in a private or public cloud environment, businesses can easily choose the appropriate deployment method.
- **Effective integration:** MDM solutions can integrate well with other tools such as support request management systems, application development, or other solutions within the organization.
- **Manage many types of devices:** MDM supports managing a variety of operating systems including iOS, Android, Windows, macOS, tvOS, Chrome OS and many different types of devices such as tablets, laptops, smartphone.

## ***3. Distinguish between Device management and Device manager***

**Device management:** Is a broader term, referring to the management and control of devices in a network or system. Includes activities such as deploying and updating software, managing security policies, monitoring and reporting on device activity, etc. within an organization or network.

Device management is often performed using special software tools and solutions designed for device management, such as Microsoft Intune, VMware AirWatch, or mobile device management (MDM) systems.

**Device Manager:** Is a component of the computer operating system, for example, Microsoft Windows. Device Manager allows users to view and manage hardware devices on the computer, including viewing information about connected devices, installing or updating device drivers, and checking operating status. operation of devices such as graphics cards, sound cards, or printers.

After referring to the basic introduction to **Device Management** above, you probably have an accurate grasp of the definition of this term, right! Also, please refer to **Fix USB device not recognized error** if you want to learn more interesting knowledge about technology!

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