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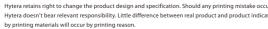
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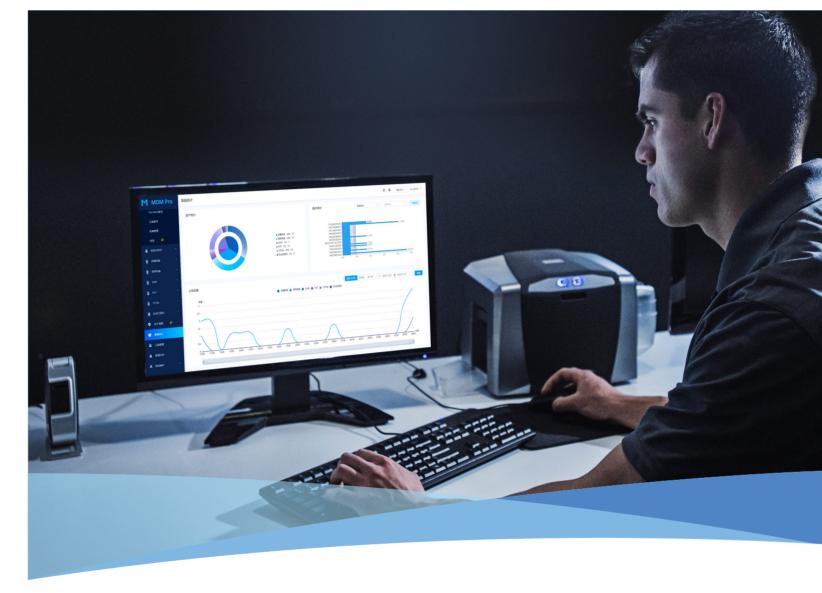








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# **MDM Pro**

# Mobile Device Management System

### Fast. Secure.

MDM Pro remotely controls radios in batches through wired or wireless connectivity, ensuring the security of radio applications, interfaces, communications, etc. It provides value-added services such as intelligent battery management and time fences, improves the efficiency of radio management, and enriches the application scenarios.

#### **Daily Maintenance**

- Programming
- Upgrade
- App installation and uninstallation
- Document management
- License management

#### **Security Control**

- App security
- Interface security
- Key management
- Data erase
- Lock/unlock
- Factory reset
- Auto Alarm Report

#### Standby Redundancy

#### **Service Extension**

- Diagnostic logs
- Time fence
- Kiosk mode
- Track on map
- Screenshot
- Data statistics





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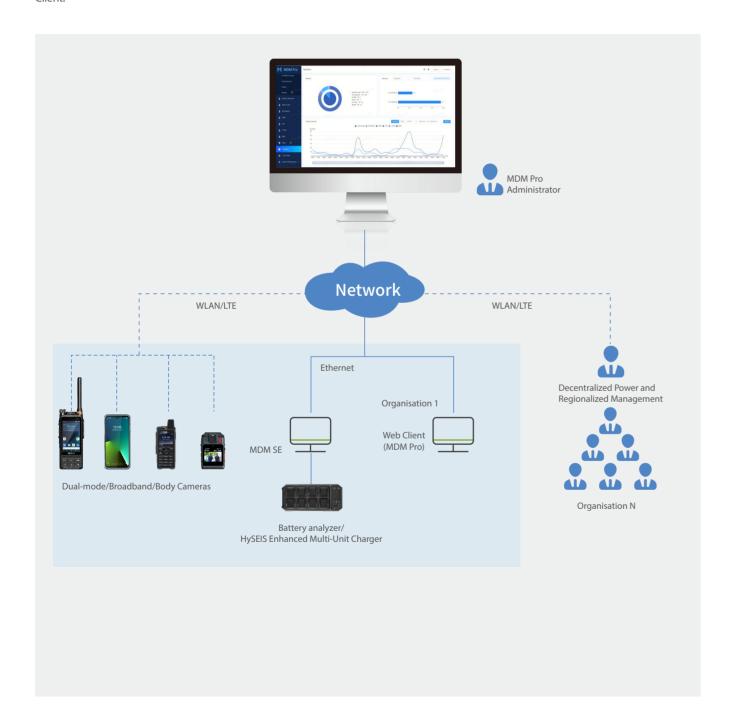
# **About MDM Pro**

MDM Pro is a Mobile Device Management system for remotely and batch managing various devices such as dual-mode radios, narrowband radios, broadband radios and body cameras. It not only supports daily device management such as upgrading and programming, but also supports functions close to customers' businesses, such as viewing device trajectories and time fences. Just operate MDM Pro on the web page, and you can control the radios anytime and anywhere.

MDM Pro Web Client: Pushes tasks such as programming, upgrade, key management, license, app installation and uninstallation, document distribution, and sends commands to the devices.

MDM Pro Server: Stores asset information, task information, and forwards tasks and commands.

MDM SE: The new-generation standalone radio upgrade & programming tool, also automatically executes the tasks pushed by the Web Client.



### Fast, in batches



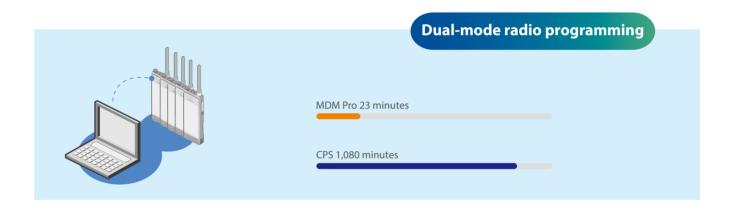
#### Wireless Connection, Remote Control

No matter if the radios are amidst towering mountains, on drilling platforms, in nearby neighborhoods, or far overseas, you can effortlessly program frequencies and upgrade them right from your office. Skip the hassle of taking back the radios one by one manually——MDM Pro is a labor-saving and highly efficient solution!



#### 📚) Batch Programming, 4500% Faster

Take the frequency programming of 1,000 radios as an example. In the past, it might have required multiple engineers to work continuously for three days. However, now, you can simply use a single computer to perform batch operations. It only takes dozens of minutes to complete the task quickly and efficiently.







### Streamlined Management, Simplified Operation

MDM Pro allows you to program the devices from different batches, or of different versions with the same template.

## Value-added Services, All in One



### App Install/Uninstall

You can control radio apps'installation, uninstallation and operation via the app list. We also provide White List and Black List to help control the apps. You may need to limit radio installations to work-related apps, restrict uninstallation of important apps, or require important apps to run continuously to avoid users missing work info.



# ( Kiosk Mode

MDM Pro can make your devices operate in Kiosk mode. In such mode, the devices are allowed to use only designated apps and features such as mobile data, WLAN, BT, or others. For example, the airport staff may use their devices to access only flightrelated apps.

**APP batch mangement** 



# Time Defence

MDM Pro features time fence that enables you to set a time period during which some functions are available for the device. For example, the device is allowed to provide only work-related features, such as BT, location, and camera during working hours. This helps the device user focus on the job.



# Data Export in Batches

MDM Pro enables you to export the device data in batches, including serial number, name, model, örmware version, online or offline log, battery health, installed apps, latest login time or location, permissions to various features, and more. The exported data helps you analyze the device status, making the device management more efficient in the future.

## Flexible Customization

Customers can import the platform logo and vocabulary entries in minority languages by themselves, and easily obtain a customized interface. Hytera provides standard interface documents for thirdparty Android terminals, enabling the adaptation and access of a large number of device models.

## **Electronic Map: Everything Clear at A Glance**



It supports the import of Google Map, as well as offline maps. It also supports the classified display of terminals and the customized allocation of the organizational structure. It is flexible and easy to use, which can improve the management efficiency.



It can display the terminal names and current locations online, allowing you to view the terminal positioning in real time. You can replay the historical tracks of the terminals to check the inspection routes of personnel. and it can also be used in scenarios where you need to inquire about the loss of terminals.



# **Battery Status Dectetion**

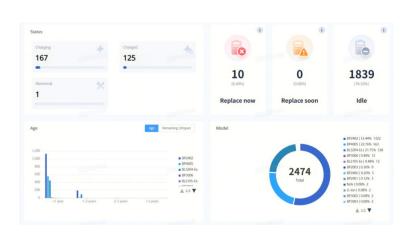
Provide a variety of statistical data, so that customers can understand the battery status of the whole network, timely maintenance and replacement of batteries.

#### **Battery Health Analysis**

Intelligent judgment of battery health, battery health is lower than 68%, automatically remind users to replace the battery to ensure the standby time of the terminal.

#### **Analysis Report Export**

The battery life, charging status and battery model are presented in a graphical way, making them clear at a glance. It supports generating battery information reports with just one click, which can be used as the basis for compliance checks and audits.



# **Secure and Reliable**



## (2) Login Encrypted Authentication

The identity of the person is verified by checking the machine code during login. You can restrict the login IP address of the admin account to prevent unauthorized access.



#### Standby Redundancy

MDM Pro runs on an active server and a standby server for high availability. If the active server fails due to natural disasters (such as fire, flood, and earthquake), computer virus, power failure, network error, and misoperation, the standby server automatically takes over its function just in 30 seconds to keep services running.



## Auto Alarm Report

Once something goes wrong in basic services, device status report, agency services, web, service push, and more, MDM Pro automatically reports the alarms to the network management system (NMS). This helps your NMS operator fix the problem as soon as possible.



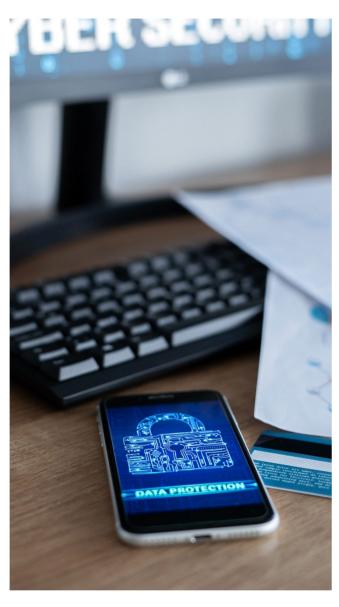
#### (a) Data Security

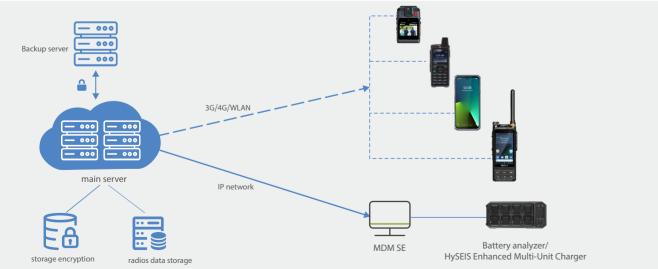
SHA-256 algorithm shields your data stored on the MDM Pro from unwanted exposure.



#### **Communication Security**

HTTPS authentication secures access to MDM Pro. RSA-2048 and AES-2048 encrypt data transmitted between the devices and MDM Pro.





### **System Capacity**

ltem	Single Server	Multiple Servers
User	Super Administrator: 10	Super Administrator: 10
	Administrator: no limit	Administrator: no limit
Radios	20000 pcs	100000 pcs
Simultaneous Task (Wireless)	150 pcs	5000 pcs
Radios to connect MDM SE	Multi-mode Advanced Radio: 24 pcs DMR Narrowband Radio: 6 pcs TETRA Narrowband Radio: 24 pcs BWC (Body Worn Camera): 20 pcs	Multi-mode Advanced Radio: 24 pcs DMR Narrowband Radio: 6 pcs TETRA Narrowband Radio: 24 pcs BWC (Body Worn Camera): 20 pcs

### **System Requirements**

#### Hardware

Item	MDM Server	Admin Station/DTW
Operating System	Windows Server 2016_64 bits Windows Server 2019_64 bits CentOS-7-x86_64-Minimal-2009.iso	Windows 7_32/64 bits Windows 10_32/64 bits
CPU	Hexa-core or above	Dual-core or above
Memory	16GB or above	4GB or above
Disk	1.2TB or above	500GB or above
NIC	1000Mbps	100Mbps or above

#### Software

Operating System	Software Package
Windows	MDM Server and DTW(Device Task Workstation)
Linux	MDM Server, Database

<sup>\*</sup>The hardware configuration needs to be increased according to the demand for the number of connections.

# **Client Plugin Requirements**

Radio Type	Driver
TETRA Radio	PL-2303 USB-to-Serial Driver
TETRA PT3x Radio	G2 USB to Serial Driver
DMR Radio	Digital USB Driver Software
Dual-mode Radio	AndroidDriver