Hytera

Smart Mobile Device Management

Fast.   Secure.   Powerful.

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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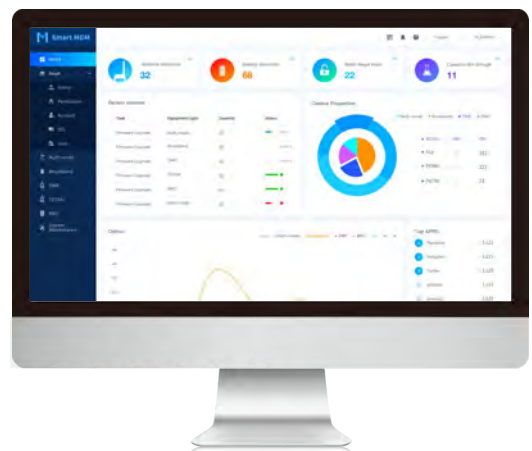
About Smart MDM

Smart Mobile Device Management (MDM) provides a fast and easy way to program and upgrade the Dual-mode rugged radios, narrowband radios, broadband radios, body cameras in batches through wired or wireless connectivity such as 3G, LTE, or WLAN. This simple-to-use application removes physical boundaries and minimizes in-field programming time for cost reduction and productivity improvement. The powerful Smart MDM provides you with service-oriented functions such as track view, time fence, and smart battery management, to manage your devices effortlessly. All of these can be done on the intuitive interface of Smart MDM client through your browser. Smart MDM is composed of the web-based Admin Client, Smart MDM Server, and Device Task Workstation (DTW).
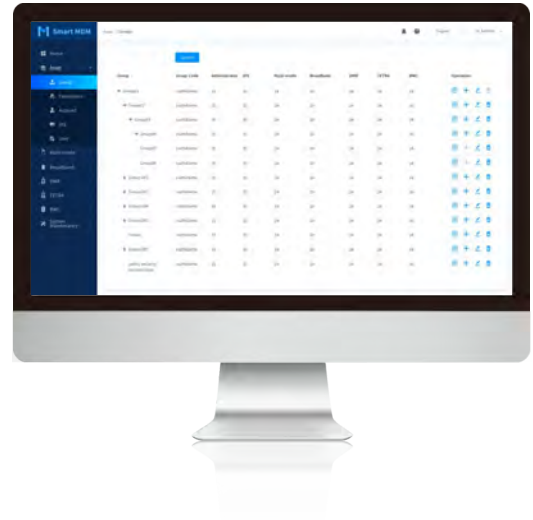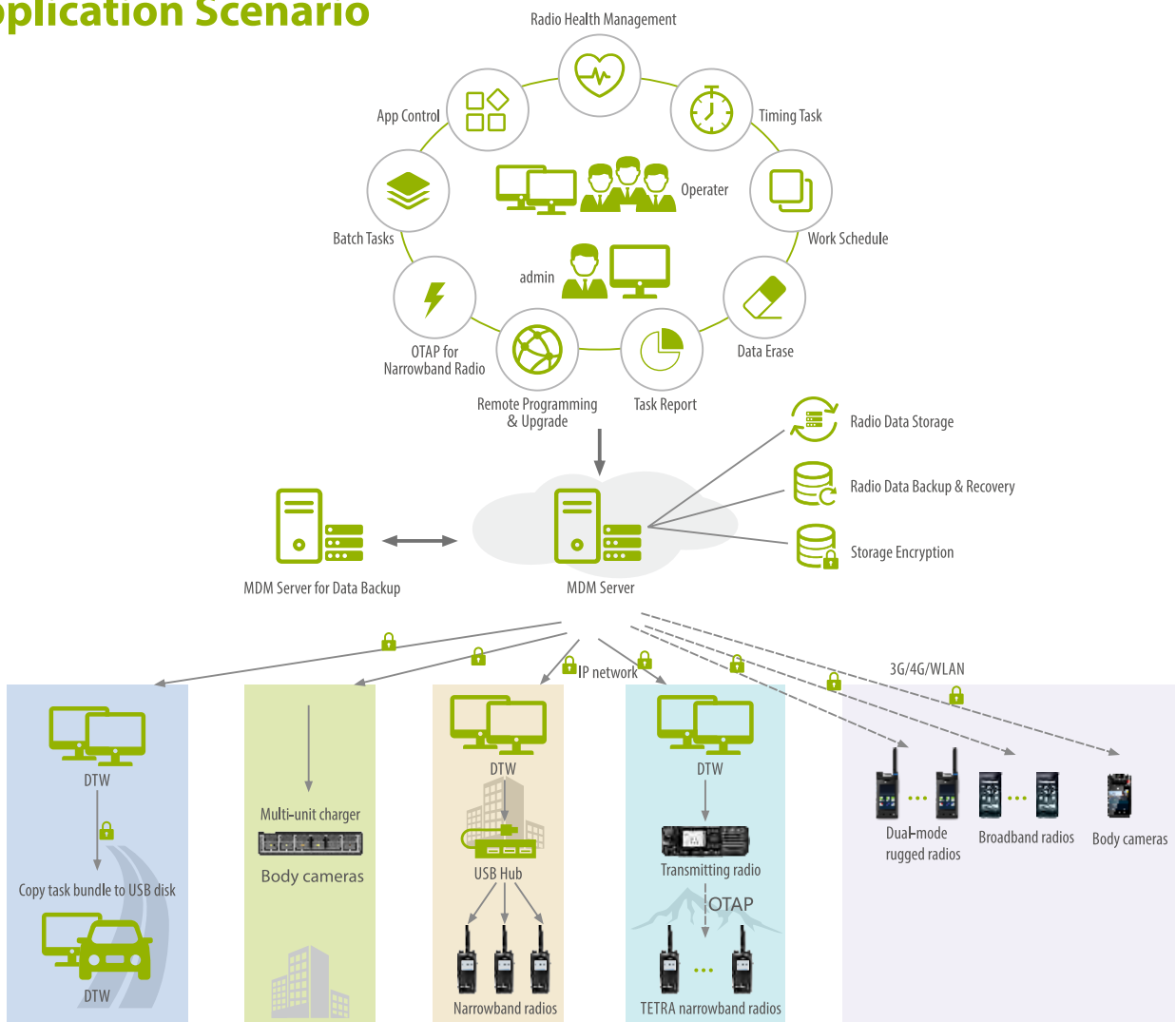
Admin(browser): Pushes tasks such as programming, upgrade, key management, license, app installation and uninstallation, document distribution, and sends commands to the devices.
Smart MDM Server: Stores asset information, task information, and forwards tasks and commands.
DTW: Automatically executes the tasks pushed by the Admin Client.

Application Scenario

Fast

Wireless Connection, Remote Control

Wherever your people are, on a mountain or under a well, in nearby block or overseas, Smart MDM allows you to easily upgrade or program their devices over 3G, LTE, or WLAN network.

Batch Programming, 4500% Faster

Smart MDM outperforms traditional programming. Traditionally, it takes several technical staff three days to finish programming 1,000 devices. Now, Smart MDM helps you get this job done just in minutes or hours.

Save Time and Effort

Dual-mode rugged radio programming	Narrowband radio programming
Smart MDM 23 minutes	Smart MDM 200 minutes
CPS 1,080 minutes	CPS 1,080 minutes

Streamlined Management, Simplified Operation

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

Secure

Standby Redundancy

Smart MDM 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, Smart MDM automatically reports the alarms to the network management system (NMS). This helps your NMS operator fix the problem as soon as possible.

Data Security

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

Communication Security

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

Powerful*

History Tracks and Heat Map

Smart MDM allows you to view history tracks on the map to find your lost devices or check patrol routes. Moreover, the field strength or location heat map helps you visualize, compare, and analyze the data so that you can make a quick and better decision.
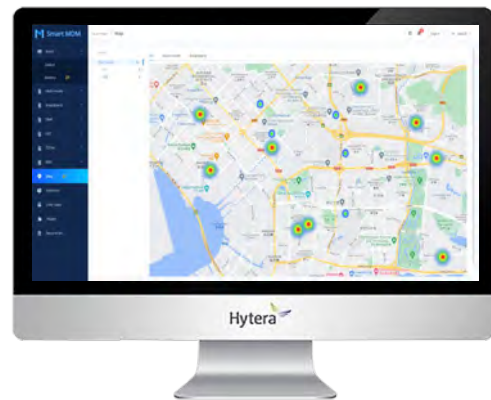
App Control

Smart MDM gives you full control of apps on your devices. You can decide which apps can be installed, which apps are not allowed to be uninstalled, or which apps must keep running. These measures ensure data security and enhance work efficiency.

Kiosk Mode

Smart MDM 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 flight-related apps.

Data Backup and Restore

Smart MDM can back up your call logs, messages, contacts, videos, photos, apps, notes, and more data to the server by one click. The backup data can be restored when you log in to a new device.

Device Health

Smart MDM helps you check the battery health on your device to ensure normal operation. It can detect and show the unqualified batteries, such as battery with a service life shorter than 8 hours, to ensure your communication uninterrupted.

Data Export in Batches

Smart MDM enables you to export the device data in batches, including serial number, name, model, firmware 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.

Time Fence

Smart MDM 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.

*Smart MDM support, the terminal needs to adapt to it.

System Capacity

Item	Single Server	Multiple Servers
User	Super Administrator：10 Administrator：no limit	Super Administrator：10 Administrator：no limit
Radios	10000 pcs	100000 pcs
Simultaneous Task (Wireless)	150 pcs	5000 pcs
Devices to connect DTW	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