

WATCHDATA ESIM SOLUTION

SM-DP+ Platform SM-DP+ 平台

Secure, instant, and scalable eSIM subscription delivery
安全、即时、规模化的 eSIM 订阅交付能力

Watchdata SM-DP+ Platform provides operator-grade capabilities for eSIM profile preparation, secure storage, encrypted download, activation, and lifecycle management. It helps MNOs, MVNOs, IoT connectivity providers, and device manufacturers launch eSIM services faster.

Watchdata SM-DP+ 平台提供运营级 eSIM Profile 准备、安全存储、加密下载、激活与全生命周期管理能力，帮助运营商、MVNO、IoT 连接服务商与设备厂商更快构建 eSIM 服务。

Operator-Grade High Availability

Designed for critical business continuity

Security

Aligned with GSMA RSP security framework

Global Deployment

Multi-region, low-latency delivery

Elastic Scalability

Designed for large-scale concurrency

Launch eSIM Services Faster with a Standardized Delivery Platform

ENGLISH

The platform connects business systems, delivery channels, and end-user devices through a secure SM-DP+ core. It supports QR code, PDF, CSV, JSON/API, and physical card delivery formats, while maintaining lifecycle control and operational insight after activation.

中文

平台通过安全的 SM-DP+ 核心连接业务系统、交付渠道与终端设备，支持二维码、PDF、CSV、JSON/API 和实体卡等多种交付方式，并在激活后继续提供生命周期控制与运营洞察。

Fast Launch

Standard interfaces, proven processes, and cloud deployment options shorten integration, testing, certification, and commercial rollout.

快速上线: 标准接口、成熟流程与云化部署能力，缩短系统对接、测试认证和业务发布周期。

Diverse Delivery

QR code, PDF, CSV, JSON/API, and physical cards adapt to online sales, channel distribution, and enterprise batch operations.

多样交付: 覆盖二维码、PDF、CSV、JSON/API 与实体卡，适配线上销售、渠道分发和企业批量运营。

Flexible Configuration

Configure profile templates, validity periods, download rules, and activation policies by region, plan, device, and channel.

灵活配置: 按地区、套餐、设备与渠道设置 Profile 模板、有效期、下载规则和激活策略。

Customizable

Support brand visuals, card designs, delivery templates, business workflows, and system interface customization.

随心定制: 支持品牌视觉、卡面、交付模板、业务流程和系统接口的个性化组合。

Prepare Profile

Secure Store

Issue Activation

Lifecycle Control

Five Delivery Methods for Multiple Sales and Activation Scenarios

五种交付方式覆盖多种销售与激活场景



QR Code

Users scan the code to download and activate instantly.

二维码: 用户扫码即可下载并激活。



PDF File

Activation code, QR code, and instructions delivered on one page.

PDF 文件: 激活码、二维码与激活说明一页交付。



CSV Batch File

Batch collection, allocation, and verification for profile inventories.

CSV 批量文件: 用于 Profile 库存的批量领取、分配与核对。



JSON / API

Structured integration with ordering, billing, CRM, and channel systems.

JSON / API: 结构化接入订单、计费、CRM 与渠道系统。



Physical Card

Retail packaging and in-store display for channel sales.

实体卡: 适用于零售包装、门店陈列与渠道销售。

Configure and Deliver SM-DP+ Profiles in Four Steps

四步完成 SM-DP+ Profile 配置与交付

01

Encryption Protocol & Profile Template

Define encryption protocols and profile templates.

加密协议与 Profile 模板: 定义加密协议, 设置 Profile 模板。

02

Custom Feature Development & Key Integration

Develop business-specific functions and integrate with key management systems.

定制开发与密钥对接: 开发业务功能, 完成密钥体系对接。

03

Profile Policies & Batch Strategy

Set profile policies, validity rules, and batch operation strategies.

Profile Policy 与批次策略: 设置 Profile Policy、有效期规则和批次运营策略。

04

Profile Import & Export

Complete batch profile import, export, and data exchange.

Profile 导入与导出: 完成 Profile 批量导入、导出与数据流转。

One Platform for the Full eSIM Lifecycle

从 Profile 生成到用户激活，一套平台覆盖全生命周期

Secure Profile Generation & Storage

Generate, encrypt, sign, and securely host eSIM profiles.

Profile 安全生成与存储: 支持 eSIM Profile 的生成、加密、签名和安全托管。

Remote Profile Download

Support QR code, activation code, default SM-DP+, Discovery, and other activation paths.

远程 Profile 下载: 支持二维码、激活码、默认 SM-DP+ 与 Discovery 等开通路径。

Just-in-Time Configuration

Generate or adjust profiles on demand to reduce reliance on pre-generated inventory.

Just-in-time 配置: 按需生成或调整 Profile，减少预生成库存压力。

Dynamic Device Capability Adaptation

Generate suitable profile formats based on device capability to reduce compatibility issues.

动态适配设备能力: 根据设备能力生成合适 Profile 格式，降低兼容性问题。

Lifecycle Management

Manage download, enablement, disablement, deletion, replacement, reclamation, and updates.

生命周期管理: 覆盖下载、启用、禁用、删除、替换、回收和更新。

Operational Insight Reports

Track downloads, activation rates, failure causes, device types, and inventory status.

运营洞察报表: 跟踪下载量、激活率、失败原因、设备类型与库存状态。

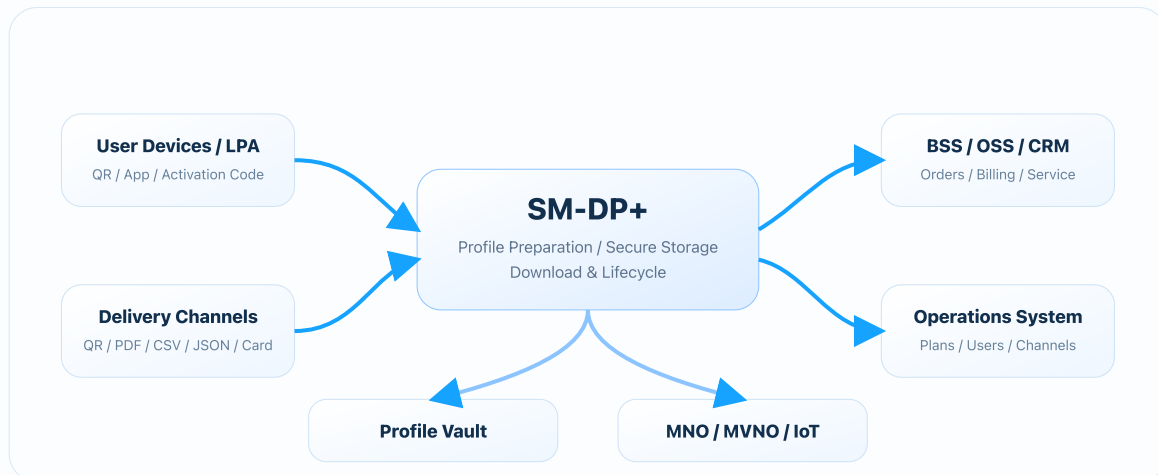
Standard RSP Architecture with Flexible Business System Integration

ENGLISH

The platform integrates with BSS, OSS, CRM, ordering, billing, and customer service systems through APIs, while supporting cloud deployment, high availability, elastic scaling, and disaster recovery architecture.

中文

平台可通过 API 与 BSS、OSS、CRM、订单、计费和客服系统集成，支持云部署、高可用、弹性扩容和灾备架构。



Trusted Verification for Every Profile Download

每一次 Profile 下载，都经过可信校验

Encrypted Transmission

Profiles remain encrypted during delivery.

加密传输: Profile 在交付过程中受到加密保护。

Certificate Verification

Ensure the device, platform, and profile source are trusted.

证书校验: 确保设备、平台和 Profile 来源可信。

Authorization Control

Only authorized devices and valid requests can download profiles.

授权控制: 只有合法设备和合法请求可下载 Profile。

Security Auditing

Record download, activation, failure, deletion, and lifecycle events.

安全审计: 记录下载、激活、失败、删除等关键事件。

Standard Compatibility

Designed to align with GSMA RSP and SAS-SM security requirements.

标准兼容: 遵循 GSMA RSP / SAS-SM 相关安全要求。

Activation Scenarios

eSIM 开通场景

Mobile eSIM Online Onboarding

Users purchase a plan and scan a QR code or click a link to download the profile.

手机 eSIM 在线入网: 用户购买套餐后扫码或点击链接, 即刻下载 Profile。

Travel eSIM

Users buy local data plans before arrival and activate when they land.

旅行 eSIM: 用户抵达前购买本地数据套餐, 到达后快速激活。

eSIM-only Devices

Support phones, tablets, watches, and laptops without physical SIM slots.

eSIM-only 设备: 适配无实体 SIM 卡槽的手机、平板、手表和笔记本。

Enterprise Batch Activation

Enterprises remotely assign profiles to employee devices.

企业批量开通: 企业为员工设备远程分配 Profile, 减少人工发卡。

IoT Remote Configuration

Issue connectivity configurations for vehicles, meters, logistics trackers, and industrial devices.

IoT 远程配置: 为车联网、智能表计、物流追踪器和工业设备远程下发连接配置。

CONTACT

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