

Empowering the Next Generation of
Connected Devices

BHDC



BHDC

<https://en.BHDC.com.cn/>

BHDC Consumer eSIM

As consumer electronics advance, users expect devices that are smaller, smarter, and always connected. BHDC's consumer eSIM empowers device makers and mobile network operators to deliver seamless and secure connectivity across smartphones, wearables, tablets, and smart IoT devices—combining flexibility, security, and global reach for today's mobile-first world.

Our Solution

BHDC provides a fully GSMA-compliant consumer eUICC (embedded Universal Integrated Circuit Card) solution designed for next-generation connected devices. Compact yet powerful, it integrates seamlessly into mainstream hardware and is fully interoperable with GSMA SGP.22 standards and SM-DP+ platforms. Proven in large-scale deployments and flagship product launches, our solution enables partners to bring secure, flexible, globally connected products to market faster with confidence.

Key Value



Longevity & Security

Built on a certified OS and chipset, BHDC's eUICC ensures devices remain safe, private, and reliable throughout their lifecycle—backed by secure remote updates.



Seamless Connectivity

Download, switch, and manage multiple operator profiles on demand. With support for Multiple Enabled Profiles (MEP), users enjoy maximum flexibility—ideal for travelers, dual-number users, and global deployments.



Cost & Efficiency

Fully interoperable with global standards to accelerate time-to-market. Eliminates physical SIM logistics, enables instant device activation, and streamlines supply chains.

Why BHDC

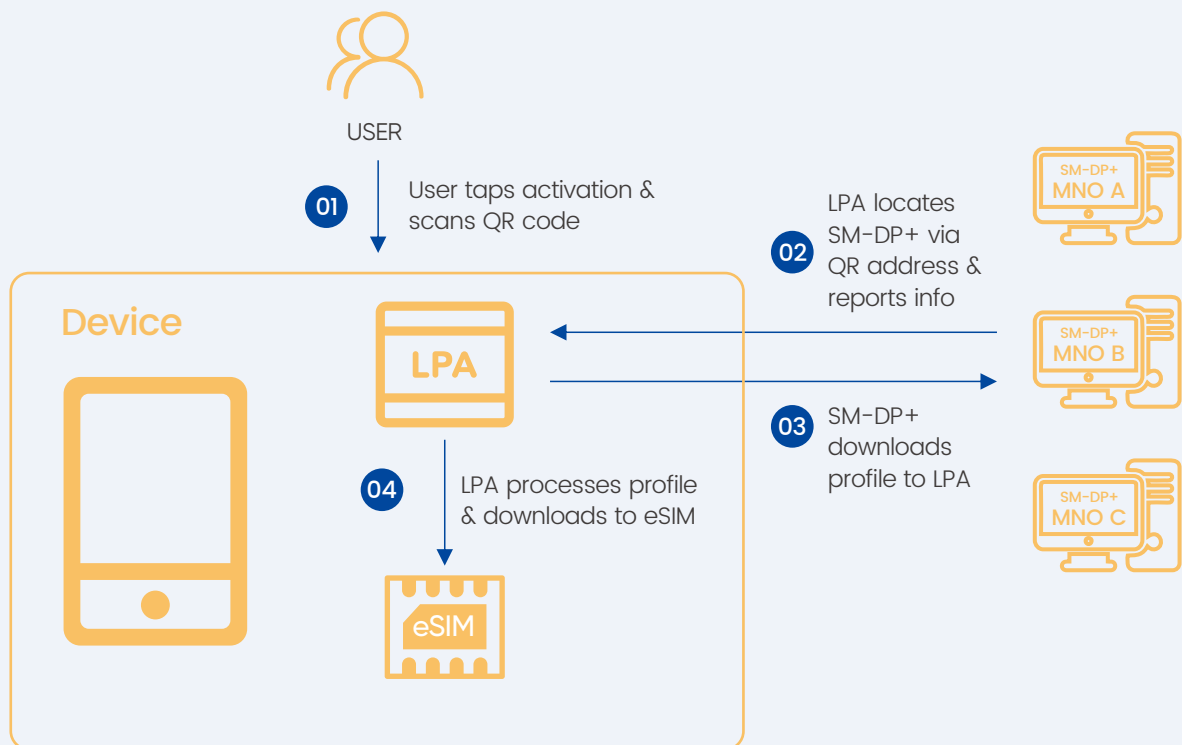


With over 25 years of expertise in secure chip design and telecom security, BHDC offers full in-house capability—from chip and COS development to manufacturing. Our GSMA SAS-UP certified production and EAL5+ secure OS have been proven through large-scale deployments with leading global MNOs. As a trusted supplier to Tier 1 brands, BHDC ensures:

- Reliable delivery at scale
- Global compatibility across markets
- Smooth integration for consumer device makers and mobile operators

How Does It Work

- **Integration** – Device makers embed or solder the eUICC onto the device mainboard.
- **Activation** – Users initiate subscription activation via the device's Local Profile Assistant (LPA).
- **Profile Delivery** – The **SM-DP+** generates and delivers the encrypted profile to the eUICC for automatic installation and activation.
- **Flexibility** – Users can add or switch profiles anytime through the LPA.
- **Security Updates** – OS and security updates are delivered over-the-air (OTA), ensuring devices remain secure and future-ready.



Our Tech Edge



GSMA SGP.22 and SIMAlliance interoperable profile v2.x compliance



Certified by GSMA SAS-UP, eSA, and SAS-SM



EAL5+ certified Secure OS



Advanced global cryptography support with multi-CI



Flexible form factors



5G-Ready architecture



High Capacity: Store and manage at least 5 operator profiles



MEP support for multiple active profiles



Dual-patented flash management for long lifecycle