



SGP.32 eSIMs FOR POINT OF SALE SOLUTIONS

CONNECTED COMMERCE AT THE EDGE

Kigen's eSA-certified SGP.32 eSIMs for POS terminals bring zero-touch rolls outs with one global device. With multiple profiles and a SAS-certified remote eSIM manager, the Kigen eIM maximises merchant productivity through dynamic switching for always-on connectivity as POS fleets move across regions or coverage areas.

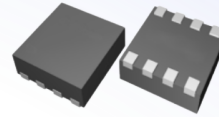
SOLUTION BRIEF



For years, POS terminals relied on removable SIM cards, but the advent of contactless payments, digital wallets, cryptocurrency, and unified payments has all made connectivity mission-critical. The new GSMA SGP.32 eSIM standard now evolves digital profile activation to fully automated, zero-touch provisioning for complete POS fleets through eIM and IPAA, using light-weight and secure communication protocols.

KIGEN ESIM BENEFITS FOR POS TERMINAL MANUFACTURE

Standards based eSIM for maximum service uptime and centralized remote management



MFF2
5x6mm²



MFF4
2x2mm²

GSMA eSA-certified SGP.32 multi-profile eUICCs with global remote management. Available in standard form factors that reduce design respins.

GSMA SAS-certified Kigen eSIM remote IoT manager (eIM) with business logic automation.

Award-winning solution, giving you full control of profile operations with deep integrations.

One-SKU simplicity with zero-touch onboarding from factory floor to field

Secure private cellular access for data protection and policy enforcement



KIGEN ESIM CYBERSECURITY BENEFITS FOR PAYMENT TERMINAL COMPLIANCE

Point-of-sale terminals are the digital backbone of commerce. In North America, POS fraud increased by 27% last year due to connectivity interruptions and cybercrime. EMV (Europay, Mastercard, and Visa) regulation dictates that the banks and retailers may be liable for the cost of POS fraud if unsecure technology is utilized. This is prompting more and more banks to offer their own POS hardware, opening up revenue streams.

Kigen provides EU Cybersecurity Resilience Act (CRA) compliant security updates via its eUICC and eIM as standard. Fully certified end-to-end eUICC manufacture and hosted cloud-based remote management support unique cybersecurity requirements of Fintech.

Payment security compliant

Solderable eSIMs make tampering near impossible reducing fraud vectors.

PCI fit encrypted profile delivery

Every profile is delivered as a cryptographically signed package, ensuring PSMO/eCO only allows trusted profiles.

Secure dynamic switching

Network outage = risk of fraud. Our award-winning Rescue & Recovery logic enables dynamic rule based operations.

Identity and trust anchor for growth

Every POS device has a verifiable, immutable identity, eliminating SIM-swapping attacks or rogue device impersonation for compliance.

53%

Of POS devices shipped in 2025 incorporated cellular connectivity.

+16%

Projected annual growth rate of mobile mPOS device segment between now till 2029.



THE POS SHIFT FROM SIMS TO SGP.32 ESIMS CREATES FURTHER MOMENTUM

Smart vending machines have evolved into cellular-enabled, cloud-connected IoT retail intelligence solutions that support real-time monitoring, contactless payments, inventory management, and predictive maintenance. For manufacturers investment in multi-profile SGP.32 eSIMs and remote management via eIM creates expansion opportunities in

IoT Vending machines

Integrating face recognition, advanced UI, digital advertising

Autonomous tolling machines

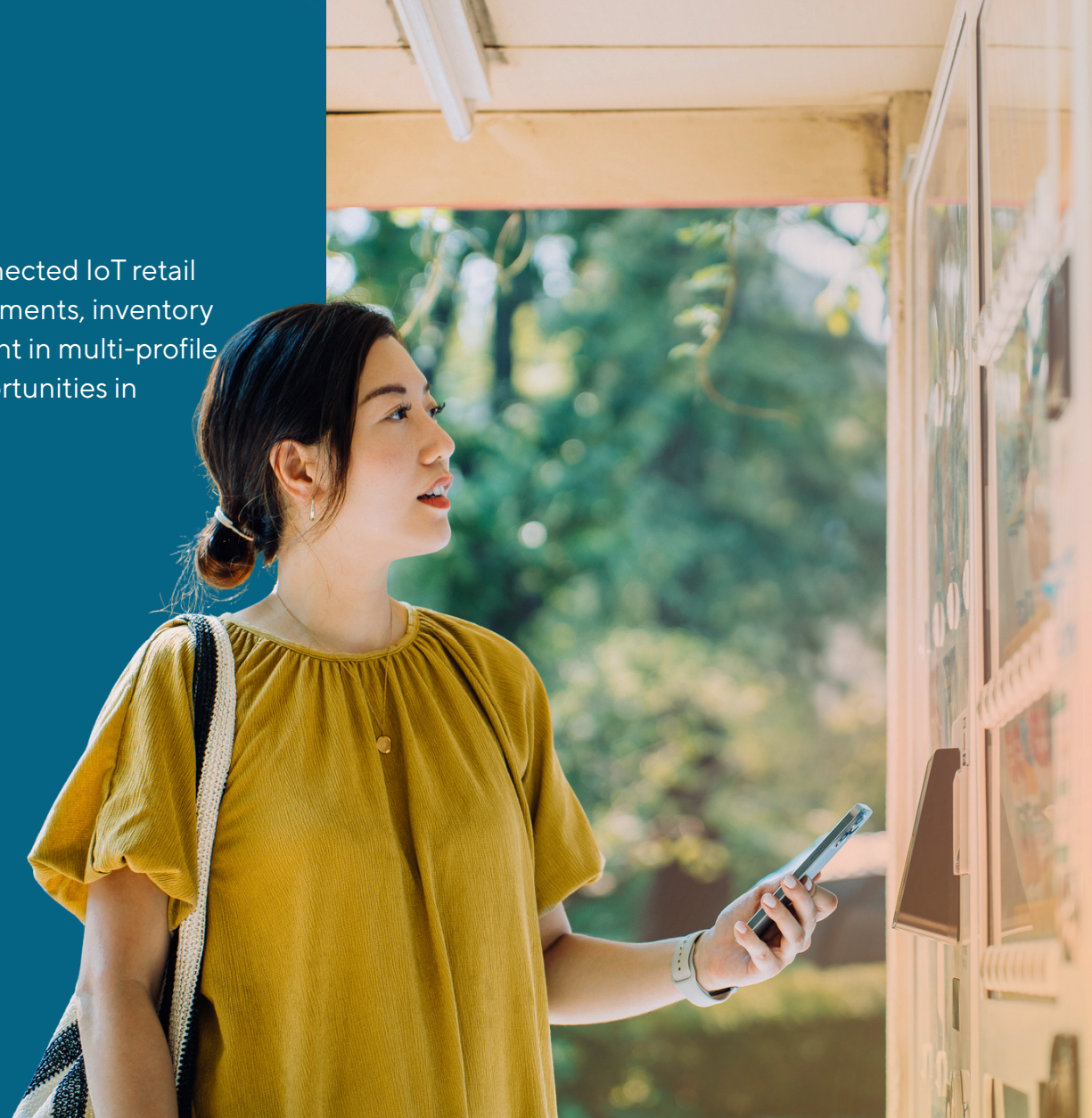
Deployed in airports, stations, and urban hubs remain connected for uninterrupted service, monitoring, and centralized fleet control

Reverse vending machines (RVMs)

Purpose-built return machines to collect used containers or recyclable bottles and reward users

Emerging features with Sound Boxes

Voice interaction and gesture recognition are opening new opportunities for automated services



Kigen's eSIMs offer native multi-carrier support directly connecting to major international carriers, leaving our unparalleled global terrestrial and satellite connectivity ecosystem.

Our technology delivers freedom to choose from 200+ terrestrial and satellite networks, compliant to EU and China cybersecurity and data regulations for export products, with proven interoperability on leading chipsets and modules.

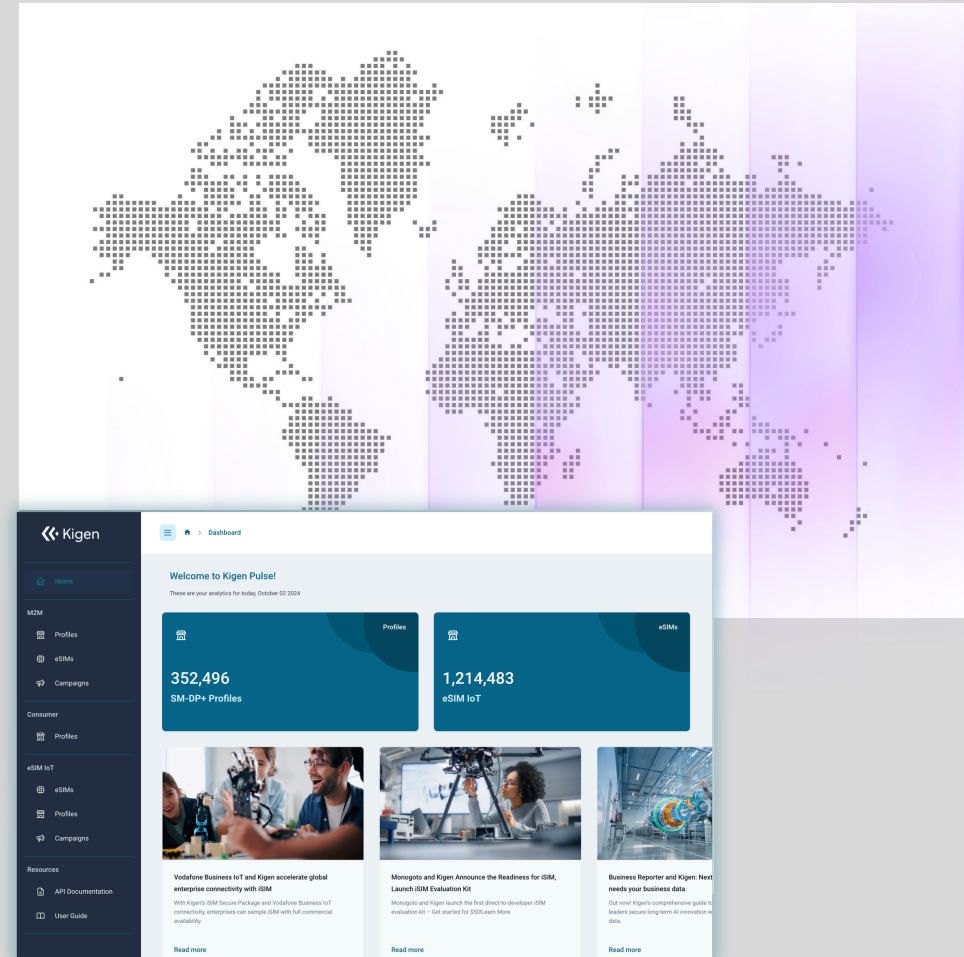
Kigen customers are delivering nearly 50% of global shift for POS terminals to network-resilient and global solutions, powered by Kigen's eSIM solution.

All your eSIMs unified **with Kigen Pulse**

No matter what device. Compliant to the requirements set out for even the most data and network constrained IoT devices. It works with any SM-DP+.

No matter what eSIM type. Consolidated view of all your M2M, Consumer and IoT RSP eSIMs, available as a friendly UI or via Open APIs for your integration.

Packed with rich features. Build, create and operate with the Device C-SDK tools, benefit from single SKU with Kigen IFPP and smarter device control for business continuity.



Kigen's expertise in eSIM technology empowers manufacturers of POS, connected vending machines and automated payment system to accelerate towards new growth opportunities. This is what's coming next in the world of connected commerce at the edge:

AI-Driven Customer Experience:

AI chat bots and natural language model assisted multi-lingual unified payments

AI-Driven Merchant Insights: Machine learning integrated into POS analytics to forecast demand and optimize operations, query bank and lending information

Unified Commerce: POS terminals that sync in-store, online, and mobile transactions into a single customer view.

Edge Computing: On-device analytics for faster decision-making and reduced data latency.

5G Connectivity: Enabling near-instant authorization and real-time fraud detection at scale.



KIGEN BRINGS **UNRIVALLED EXPERTISE ...**

Scan the QR code and leave your information. We will contact you shortly.

For more information, please visit [Kigen.com](https://kigen.com).

Or follow @Kigen and the #FUTUREOF**SIM** conversation on LinkedIn.

