

Joint Value Proposition for Retail Edge



The Retail Challenge

Retailers are under constant pressure to modernize store operations, deliver personalized customer experiences, and improve efficiency. Without increasing complexity or cost.

Legacy systems and fragmented technology stacks make it difficult to:



Maintain uptime for POS and revenue-critical systems



Deploy and manage AI, IoT, and digital signage at scale



Secure sensitive customer data across distributed store networks



Roll out new experiences quickly across hundreds or thousands of locations

The Joint Solution

SUSE and SNUC combine enterprise-grade edge software with purpose-built, retail-hardened hardware to deliver a resilient, secure, and easily managed in-store platform.

Software Stack (SUSE Edge)



Kubernetes-based infrastructure (RKE2) with centralized fleet management via SUSE Rancher



Immutable OS (SUSE Linux Micro) for zero-drift security and stability



GitOps-based provisioning for consistent, repeatable deployments



End-to-end security with zero trust architecture and compliance tooling

Hardware Platform (SNUC)



Ultra-compact, fanless systems designed for space-constrained retail environments



Optional 2 or 3-node HA clusters for store-level fault tolerance



NANO-BMC for BIOS-level remote management, even when offline



AI-capable configurations for computer vision, analytics, and sensor-based automation

**Built to Spec. Built to Last.
Built for the Edge.**

The future isn't in the cloud – it's right at the Edge. Deploy smarter, faster, and closer to where data happens.

**Building for the
Edge with you.**

sales@SNUC.com
snuc.com/partner/suse

Joint Value Proposition for Retail Edge



Key Use Cases



POS & Checkout Resilience

Keep transactions flowing during network or hardware failures with in-store HA clustering.



Loss Prevention

Run AI-driven video analytics on-site to detect theft or suspicious activity in real time.



Inventory Optimization

Process IoT and RFID data locally to reduce stockouts and improve replenishment.



Digital Signage

Centrally manage content with reliable local playback, even during outages.



In-Store Analytics

Capture and process customer behavior data at the edge for faster insights.

Differentiators

SUSE + SNUC Advantage

Purpose-built for edge retail

Complete remote manageability

Unified platform for mixed workloads

GitOps-based fleet ops

Jointly validated solution

Retail Impact

Optimized for tight spaces and challenging in-store conditions

Reduce truck rolls with full remote provisioning and recovery

Run POS, signage, and AI together without infrastructure silos

Consistent deployments across 1,000+ stores from a single template

Pre-tested for rapid rollout with reduced risk

Business Outcomes



Reduce on-site IT costs by up to 90%



Improve store uptime with automated failover



Shorten deployment cycles for new in-store experiences



Enable AI and automation without additional complexity



Protect customer and transactional data across all sites

**Built to Spec. Built to Last.
Built for the Edge.**

The future isn't in the cloud – it's right at the Edge. Deploy smarter, faster, and closer to where data happens.

**Building for the
Edge with you.**

sales@SNUC.com
snuc.com/partner/suse