



# COMPREHENSIVE IoT DEVICE SECURITY AND MONITORING FOR SMART RETAIL COMPANIES

## BUSINESS CHALLENGE

The e-commerce revolution has created major challenges for today's brick-and-mortar retail companies. While the constant increase in online shopping (+14% in 2018, US Department of Commerce) has diluted physical in-store traffic, those customers that do arrive expect the same easy, effective and seamless experience as in e-commerce. To succeed in this redefined retail space, companies are **deploying a multitude of IoT-enabled devices and smart systems across multiple stores and logistics centers**. But technology doesn't come without risk - **a malfunction or cyber-attack on a single IoT edge device could lead to a service shutdown**, resulting in compromised personal and financial details, impaired logistics management and damaged merchandise.

## TECHNOLOGY CHALLENGE

Retail companies' digital transformation implies massive deployments of new IoT devices and gateways. Data collected by these connected products is either used by other smart systems (e.g., smart shelves and automated guided vehicles for inventory and logistics management), or directly analyzed by the device (e.g., IP-cameras embedding facial recognition, smart cashier machines and self-check-out). Unfortunately, **the inherent vulnerability of these connected devices makes them an easy entry point for attackers**, including insider threats trying to compromise critical assets. The existing security solutions are not sufficient in monitoring IoT edge devices which are **scattered across unsecured networks** and often times **deployed outdoor**.

## EDGE-TO-EDGE SOLUTION

SecuriThings **HORIZON** is a software-only solution enabling 360-degree visibility and control in real-time from within the edge device. Retailers can maximize business continuity while managing all their IoT edge devices from a single pane of glass. By detecting and mitigating cyber attacks, as well as monitoring device health, retail companies can optimize smart store and logistics center operations, while offering shoppers a safe and secure connected space.



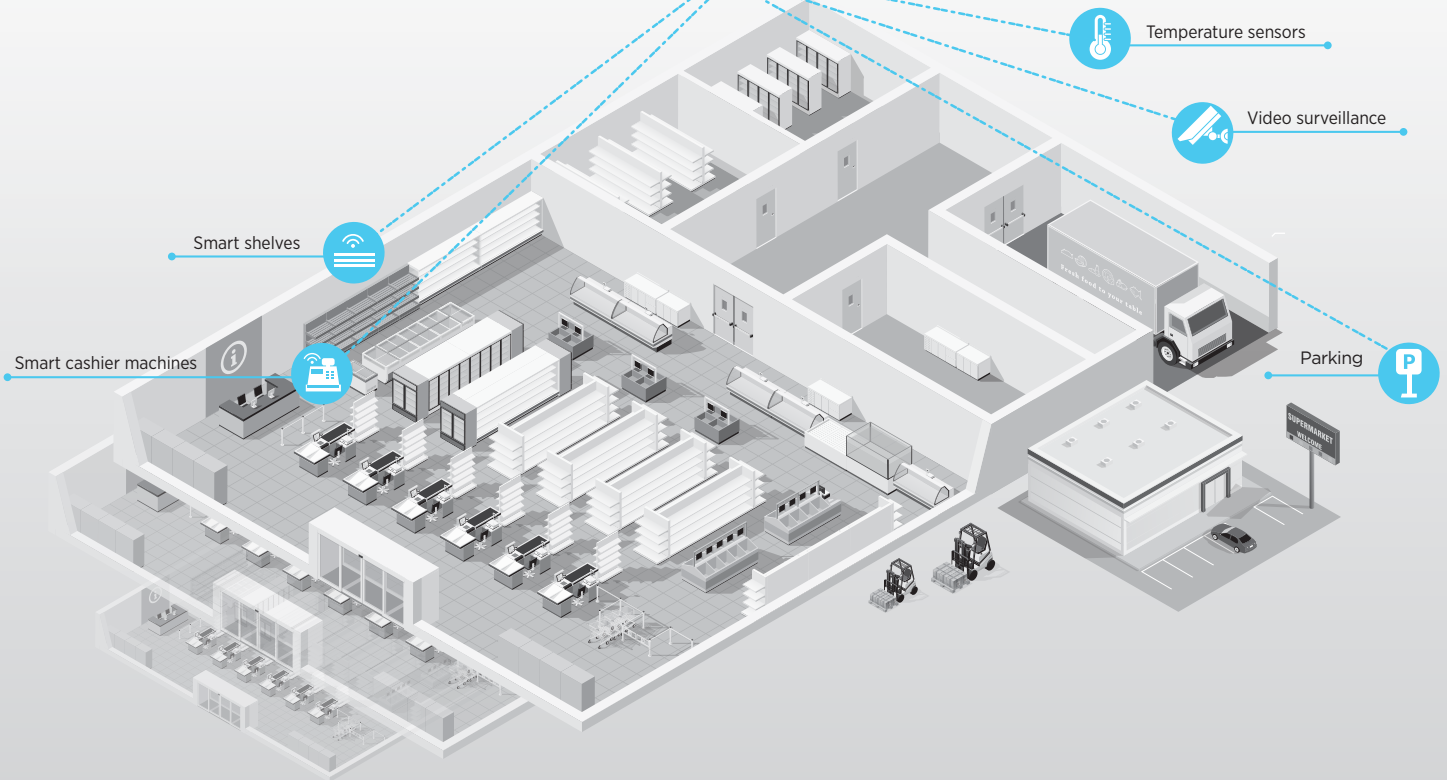
Alerts

Full visibility and control over connected devices from within the edge

Agent or agentless deployment on each and every IoT edge device



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## Benefits

- ✓ Seamless deployment to the edge
- ✓ Overall cyber security posture
- ✓ Device health monitoring
- ✓ Alert investigation and forensics
- ✓ Operational cost reduction

**CONTROL** Your IoT Devices. **ILLUMINATE** the Blind Spot.

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