Retail Network and Security Convergence Overview

Move beyond technology silos

The user experience is critical in the digital economy. But delivering seamless customer experiences is hard when you are already struggling to meet the bandwidth requirements for a growing customer base and the demands of ever more complex consumer experiences, in addition to securing trillions of daily data flows, while managing a level of complexity that has surpassed human capacity.

With digital and systemic disruption prevalent, and cyber threats and attack vectors expanding, retailers of every size face growing security, financial, and management risks. More network traffic flows outside of IT's domain, and bandwidth demand along with performance needs are accelerating.

Retailers have always been challenged to meet security needs but with the rapidly changing business landscape and employees now needing secure access to resources from wherever they may be, security and networking have become more intertwined. Cisco's convergence of networking and security empowers you to move beyond traditional technology silos and time-consuming integration between point solutions and enables a more elastic infrastructure that stretches seamlessly to multiple clouds. It scales without strain to support current and future demands, performance needs, and new services, and securely connects hyper-distributed associates and stores.

Benefits

Converge networking and security to provide unified experiences for your customers, and get the following benefits:

- **Gain speed and efficiency, security and trust, and dynamic flexibility** with solutions that are simpler, outcome-driven, and converged.

- **Simplify operations** through deep visibility, SDN-enabled programmability, and AI/ML powered insights, and cloud enhanced automation that ensure fast time to value.

- **Deliver the right security, in the right place, at the right time** with an agile, cohesive, and trusted security platform to ensure your store stays protected and resilient all the time.

- **Bring measurable value to your retailer** by bridging the boundaries between different technologies, locations, organizations, and associates.
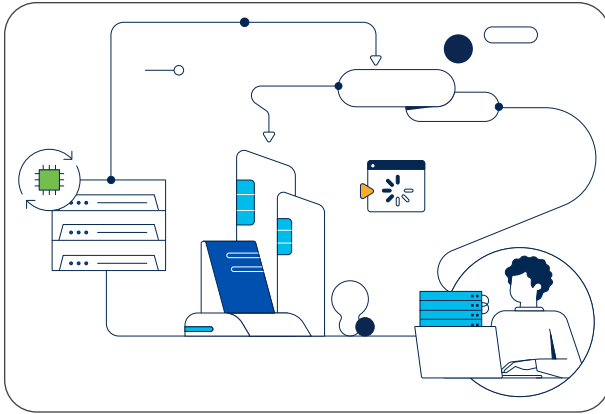
The bridge to possible

Figure 1.   Simply bringing together the best of Cisco networking and security for your retailer

"The complexity in that original solution was huge. With Cisco, that goes out the window. When we couple that with SASE, we get the benefit of having more modern network security, SSL inspection, DLP, and other pieces that we never had before."

Gary Burgess,
Director of Infrastructure and Security, QDOBA Mexican Eats

Simpler solutions that are outcome-driven and converged

Cisco is at the forefront of convergence, combining our leadership in networking and security, with cloud-managed platforms, enhanced insights and automation, and the reinvention of silicon and optics, software, and systems to empower your organization with:

- **Secure Access Service Edge (SASE)** – The most comprehensive portfolio offered by a single vendor:

  - **Cisco+ Secure Connect** – A unified SASE solution built for speed and simplicity with cloud-managed turnkey operations delivered through a single management console (Meraki® Dashboard).

  - **Modular SASE** – For a more flexible, scaled deployment your way, at your pace, using modular, customizable, and extensible solutions and services.

- **Cisco® Routed Optical Networking** – A multiservice infrastructure for service providers and large enterprises, based on a converged SDN transport foundation and Cisco's pioneering silicon and optics for optimized network architectures, simplified operations, and trusted platforms that deliver industry-leading scale and network speeds, better customer experiences, important power savings and a lower cost per bit transported to maximize profit.

Get started with your convergence journey

- **View the Cisco+ Secure Connect infographic**

- **Read the SD-WAN and SASE ebook**

- **Download the Executive Brief on Routed Optical Networking**

Learn more

Explore Cisco retail solutions