CORNING

Corning® Optical Network Evolution (ONE™) SD-LAN
Applications Guide

Version 1

Software-Defined LAN

Corning SD-LAN Applications

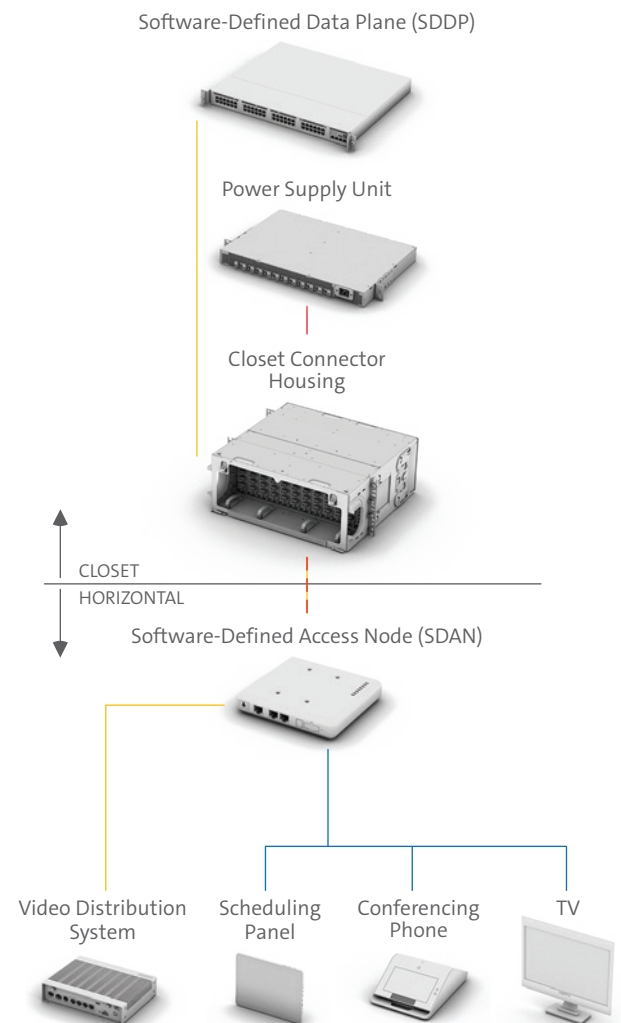🔗 Audio/Visual (A/V) | Security | Wireless | LAN

The Corning® Optical Network Evolution (ONE™) software-defined local access network (SD-LAN) solution utilizes fiber's superior reach and unlimited bandwidth to provide a highly scalable converged networking approach. Delivering single-mode fiber and power to the network edge, our solution creates a technology-neutral network. Supporting both active Ethernet as well as passive optical LAN over a software-defined network architecture, our SD-LAN solution features application automation, policy, and simplicity to operations.

Network managers benefit from future-ready connectivity inside buildings with the ability to converge multiple technologies over a single, simplified infrastructure that supports LAN, Wi-Fi, cellular, audio visual, security, building automation, and more over the lifetime of the building with little to no new cabling. This intelligent solution reduces switches, which can help speed up network performance and minimize overall network complexity. Learn more about SD-LAN applications and topologies in the following pages.

Network Topology: A/V

Our SD-LAN solution is optimized for fiber and power deep to the edge, and can leverage the unthrottled speed and low latency needed for today's A/V solutions in business, education, government, industry, hospitality, healthcare, entertainment, retail, public safety, and other markets.

Software-Defined Data Plane (SDDP)

Power Supply Unit

Closet Connector Housing

CLOSET
HORIZONTAL

Software-Defined Access Node (SDAN)

Video Distribution System
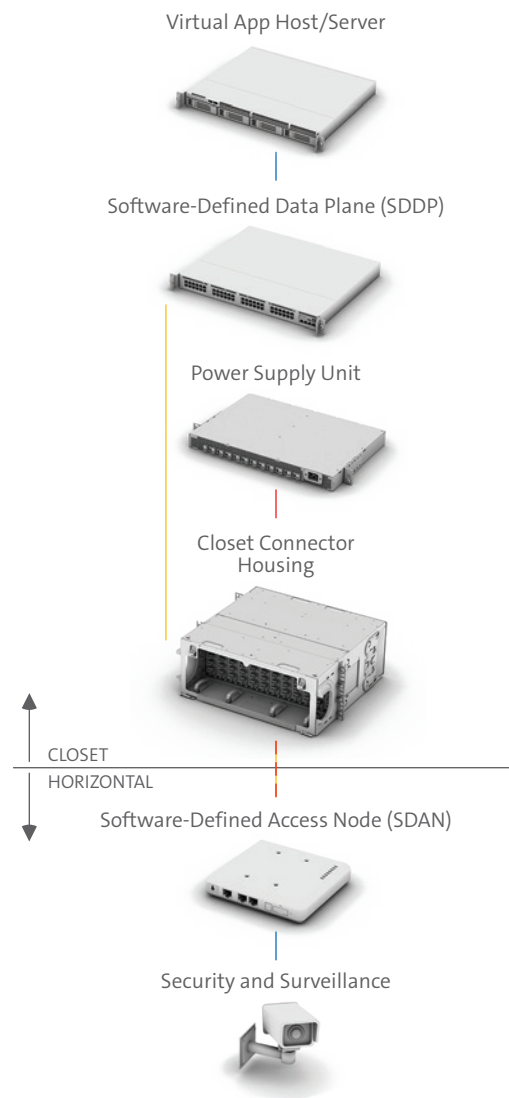
Scheduling Panel

Conferencing Phone

TV

Network Topology: Security

Our SD-LAN solution includes outdoor-managed networking solutions for both wired and wireless applications, such as IP surveillance cameras or other IoT security devices.

Our adaptable, intelligent solution is technology-neutral, supporting active Ethernet deep into the network and passive optical LAN.

Virtual App Host/Server

Software-Defined Data Plane (SDDP)

Power Supply Unit

Closet Connector Housing

CLOSET

HORIZONTAL

Software-Defined Access Node (SDAN)
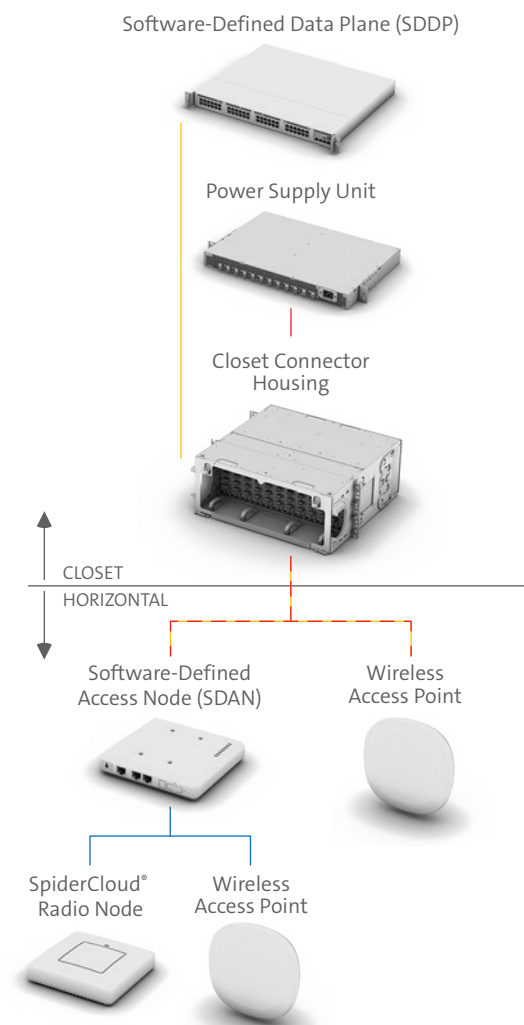

Security and Surveillance

Network Topology: Wireless

The wireless needs of the modern organization are changing faster than traditional technology approaches can manage.

With our SD-LAN solution, network managers can create a new approach to adaptable, flexible, and cost-effective wireless networks that provide a state-of-the-art, reliable connection for today and tomorrow.

Software-Defined Data Plane (SDDP)

Power Supply Unit

Closet Connector Housing

CLOSET

HORIZONTAL

Software-Defined
Access Node (SDAN)

Wireless
Access Point

SpiderCloud®
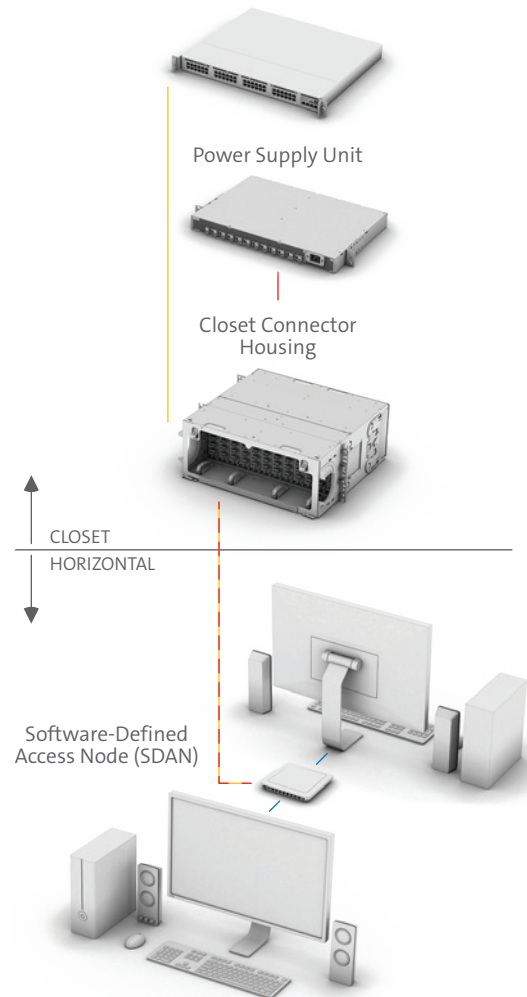Radio Node

Wireless
Access Point

Network Topology: LAN

Tired of running CAT 6A cables into the horizontal and clogging your pathways? Time to upgrade to the Corning® Optical Network Evolution (ONE™) SD-LAN solution, where a single composite cable brings both connectivity and power to your office workstation.

Benefits include freeing up closets, eliminating or emptying cable trays, and reducing disruption from future network additions. All of this results in a simplified deployment, enhanced network capabilities, and minimized total cost of ownership.

Software-Defined Data Plane (SDDP)

Power Supply Unit

Closet Connector Housing

CLOSET

HORIZONTAL

Software-Defined Access Node (SDAN)

Don't see what you are looking for? Contact Corning at **1-800-743-2671** or email **ccsamericas@corning.com**

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