



CORNING

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



Corning® SD-LAN Overview

Corning® Optical Network Evolution (ONE™) Solutions utilize 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, ONE enables our SD-LAN portfolio, which creates a technology-neutral networking approach. 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.

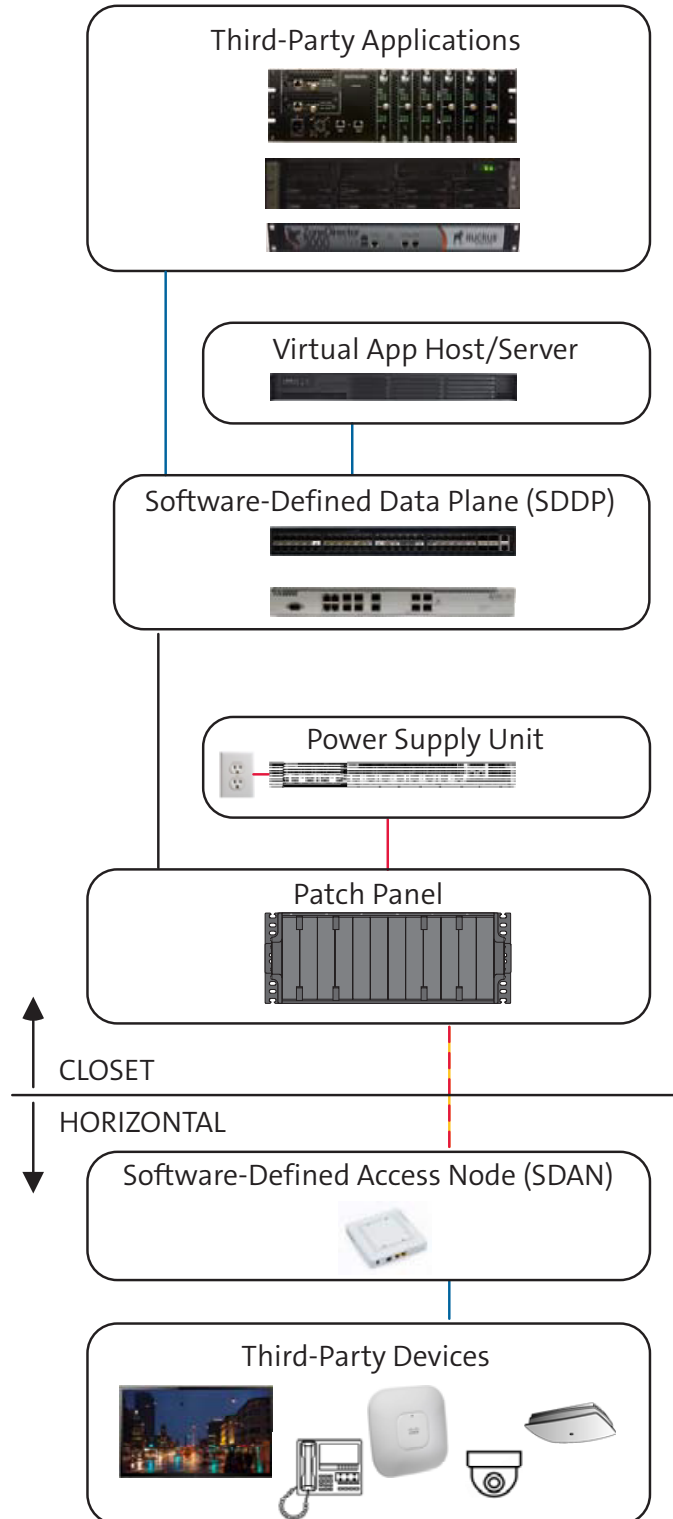
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Corning SD-LAN Overview | Network Topology

Corning® Optical Network Evolution (ONE™) Solution includes infrastructure solutions for both wired and wireless applications that will last the lifetime of your building. The platform is technology-neutral, supporting active Ethernet deep into the network and passive optical LAN over a software-defined network architecture. Whatever your network needs, our ONE SD-LAN solution provides a state-of-the-art, reliable connection today, while future-ready to meet the needs of tomorrow's applications.



Corning SD-LAN Overview | Software-Defined Data Planes

Data Planes	
Corning Part Number	Description
1LAN-SDDP-48P	Software-Defined Data Plane, 48-Port PoE+, 6-Port QSFP+
1LAN-SDOLT-0588	Software-Defined OLT, 8 Ports, SFP-xPON
1LAN-SDOLT-0587	Software-Defined OLT, 4 Ports, SFP-xPON

SFPs + Attenuators	
Corning Part Number	Description
1LAN-SFP-0035	SFP, xPON, 2.5 GE, 20 km, Tx/Rx
1LAN-SFP-4305BC	BiDi SFP, 1490Tx/1310Rx
1LAN-QSFPP-40GB-LR	QSFP+ Optical Transceiver CWDM 4 x 10.3125 Gb/s, 10 km
1LAN-SFPP-10GB-LR	10 Gb/s SFP+ Transceiver module, SMF, 1310 nm, 10 km
1LAN-SFPP-10GB-SR	10 Gb/s SFP+ Transceiver module, MMF, 850 nm, 300 m
1LAN-SFP-1GB-LXLH	1 Gb/s SFP Transceiver, 100Base-LX/LH, SMF, 1310 nm, 10 km
1LAN-SFP-1GCU	1 Gb/s Copper Ethernet SFP
1LAN-OA-UPC	UPC Optical Attenuator

Corning SD-LAN Overview | Software-Defined End Points

Accessories	
Corning Part Number	Description
1LAN-SDAN-PWRCBL	Software-Defined Access Node (ONT) Power Cable, 40 in
1LAN-SDAN-PWRSUP	Software-Defined Access Node Power Supply (barrel connector)
1LAN-SDAN-PWRSUP2	Software-Defined Access Node Power Supply (Phoneix connector)
1LAN-SDAN-FST0004	Fiber Slack Tray (729x series)
1LAN-SDAN-SMCRD	Surface Mount Cradle (8293 series)

Corning SD-LAN Overview | Software-Defined End Points (Continued)

End Points	
Corning Part Number	Description
1LAN-SDAN-7290	Software-Defined Access Node (ONT), 4GE POE
1LAN-SDAN-7291	Software-Defined Access Node (ONT), 2P+4GE POE
1LAN-SDAN-7293	Software-Defined Access Node (ONT), 2P+4GE+RF POE
1LAN-SDAN-7298	Software-Defined Access Node (ONT), 8GE POE
1LAN-SDAN-8293	Software-Defined Access Node (ONT), 1P+3GE POE
1LAN-SDAN-0288	Software-Defined Access Node (ONT), (1) GE SFP (for GPON)
1LAN-SDDP-08-P2	8-Port Gigabit Expandable POE Switch, (2) SFP Uplink Ports
1LAN-SDDP-BR12-1GB-P1	12-Port Gigabit POE Switch, (2) 1 Gb SFP Uplink Ports
1LAN-SDDP-BR24-1GB-P2	24-Port Gigabit POE Switch, (4) 1 Gb SFP Uplink Ports
1LAN-SDDP-BR48-1GB-P2	48-Port Gigabit POE Switch, (4) 1 Gb SFP Uplink Ports

Corning SD-LAN Overview | Passive Infrastructure

Cable Assemblies	
Corning Part Number	Description
020201R2131xxxF	LC UPC to LC UPC Simplex Jumper (xxx = length in ft.)
020202R5131xxxF	LC UPC to LC UPC Duplex Jumper (xxx = length in ft.)
024401R2131xxxF	LC UPC to SC APC Simplex Jumper (xxx = length in ft.)
024402R5131xxxF	LC UPC to SC APC Duplex Jumper (xxx = length in ft.)
445801R2131xxxF	SC APC to SC UPC Simplex Jumper (xxx = length in ft.)
004401R2131xxxF	SC APC Simplex Pigtail (xxx = length in ft.)

Corning SD-LAN Overview | Passive Infrastructure (Continued)

Cable	
Corning Part Number	Description
001Z48-21K31M29	1 F/2 cu Composite Cable, AWG20
002Z48-21K31M29	2 F/2 cu Composite Cable, AWG20
004Z48-41K31M29	4 F/4 cu Composite Cable, AWG20

Hardware	
Corning Part Number	Description
CCH-01U/2U/3U/4U	Closet Connector Housing (1U, 2U, 3U, or 4U)
CCH-CP12-6C	Connector Panel, 12 F, SC APC
CCH-CS06-6C-P00RE	Splice Cassette, 6 F, SC APC
CCH-CS12-6C-P00RE	Splice Cassette, 12 F, SC APC
CCH-CS06-B3-P00RE	Splice Cassette, 6 F, LC APC
CCH-CS12-B3-P00RE	Splice Cassette, 12 F, LC APC
1LAN-D920CC-6	Keystone CCH Panel, 6 Position
1LAN-DCCS-6C	Keystone Adapter, SC APC
1LAN-D600-SCJ-GN	Keystone Adapter, SC APC Shuttered
1LAN-DCCS-B3	Keystone Adapter, LC APC (duplex)
1LAN-D600-CCP2-WH	Keystone Adapter, Power (connector style)
CJP-01U/02U	Horizontal Cable Manager (1U, 2U)
1LAN-D600-SBFJ2-WH	Surface Mount Box for Keystones, 2-Port

Optical Splitters	
Corning Part Number	Description
CCH-UM1-6CD6CE1116	1x16 Splitter, SC APC, Panel Type
CCH-UM1-6CD6CE1132	1x32 Splitter, SC APC, Panel Type
1LAN-SPLT-132-486C	1x32 Splitter, SC APC, Wall-Mountable Terminal

Corning SD-LAN Overview | Passive Infrastructure (Continued)

Termination	
Corning Part Number	Description
95-200-44	UniCam® SC APC (single)
95-200-44-Z	UniCam SC APC (25/pack)
SOC-SCA-900-SM	Splice-On Connector, SC APC, 900 µm
2806031-01	Fusion Splice Protection Sleeve
255760003	Cu Power Connector

Corning SD-LAN Overview | Control and Software

Platform as a Service	
Corning Part Number	Description
1LAN-PAAS-PP	Platform as a Service – Base Charge per Port
1LAN-PAAS-PP-AO	Platform as a Service – Premium Add-On Package
1LAN-RECUR-PP	Platform as a Service – Recurring per Port
1LAN-RECUR-PP-AO	Platform as a Service – Premium Add-On, Recurring Per Port

Virtual Application Host	
Corning Part Number	Description
1LAN-SRV-50195L	1 RU Rackmount server for VNETC, VFC, and Virtual Apps

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





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