



CORNING

Corning Software-Defined LAN Ordering Guide



Corning SD-LAN Overview

The Corning software-defined local access network (SD-LAN) 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, SD-LAN 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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Passive Infrastructure

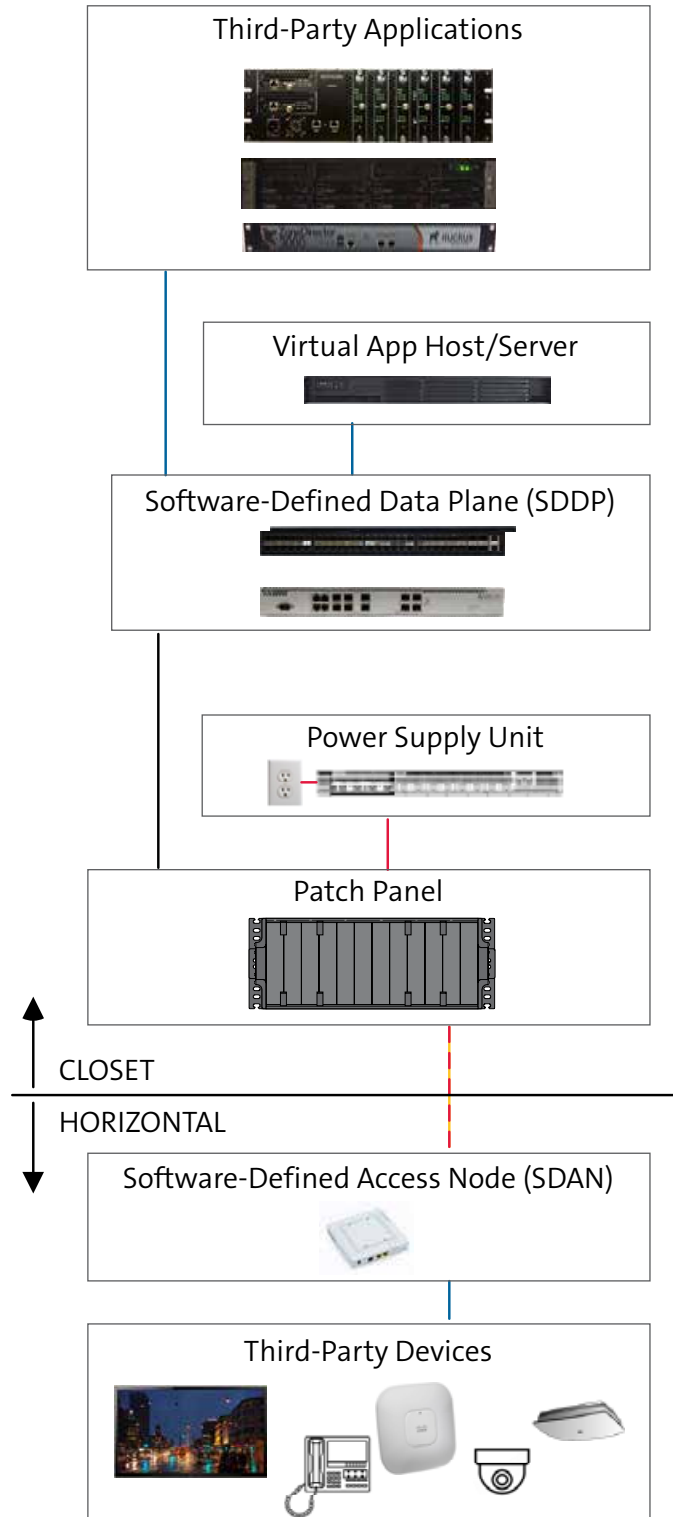
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Corning SD-LAN Overview | Network Topology

The Corning SD-LAN 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 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 | Active Infrastructure

Data Plane	
Corning Part Number	Description
1LAN-SDDP-48P	Software-Defined Data Plane, 48-Port PoE+, 6-Port QSFP+
1LAN-SDDP-24POE	24-Port Gigabit Switch, 8 UPOE, 16 POE, 4 10G SFP+
1LAN-SDDP-48POE	48-Port Gigabit Switch, 48 POE, 4 10G SFP+
1LAN-SDDP-24-P2	24-Port Gigabit Expandable PoE Plus Switch; 4 SFP uplink ports (370 W POE budget)
1LAN-SDDP-SA54	Software-Defined Data Plane System License for Touchless System

Virtual Application Host	
Corning Part Number	Description
1LAN-SRV-50195L	1 RU Rack-Mount Server for VNETC, VFC, and virtual apps
1LAN-SRV-50195L-2	1 RU Rack-Mount Server for VNETC, VFC, and virtual apps > 600 SDANs

Optical Line Terminals (OLTs)	
Corning Part Number	Description
1LAN-SDOLT-0588	Software-Defined OLT, 8-port, SFP-xPON
1LAN-SDOLT-0587	Software-Defined OLT, 4-port, SFP-xPON
1LAN-SFPP-10G-OLT	XGS PON SFP OLT Module

SFP Transceivers	
Corning Part Number	Description
1LAN-SFP-0035	SFP, xPON, 2.5 GE, 20 km, Tx/Rx
1LAN-SFP-3405BC	Bi-Di SFP; 1310Tx/1490Rx
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-SFP-MMF15429	Multimode Fiber Ethernet SFPs (1G) for TOR switches to aggregation switches connectivity
1LAN-SFPP-10G-LTF7225	10G SFP XGS-PON Transceiver for SDAN
1LAN-SFP-10G-T	SFP RJ45 Module

Corning SD-LAN Overview | Active Infrastructure (Continued)

Software-Defined 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-7298	Software-Defined Access Node (ONT), 8GE POE
1LAN-SDAN-7691	Software-Defined Access Node (ONT), XGS-PON 4GE, no transceiver
1LAN-SDAN-8293	Software-Defined Access Node (ONT), 1P+3GE POE
1LAN-SDAN-8201	Software-Defined Access Node (ONT), 1GE, GPON only (1-port)
1LAN-SDAN-7253	Software-Defined Access Node (ONT), 2P + 4GE, 1RF
1LAN-SFPP-10G-LTF7225	10G SFP XGS-PON Transceiver for SDAN
1LAN-SDAN-8011	Software-Defined Access Node (ONT), 1GE, POE+, hardened, micro

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)

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
002Z48-21Z31MB2	1000-ft Composite Cable Reel in a Box (2-fiber, plenum ultra, 2X20AWG)

Corning SD-LAN Overview | Passive Infrastructure (Continued)

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
CJP-01U/02U	Horizontal Cable Manager (1U, 2U)
1LAN-D606K-BL	CAT 6 Keystone Adapter, blue
1LAN-D600-CCP2-WH	Power Keystone Adapter (connector style)
1LAN-D17159-C6-WH	CAT 6 Data Coupler (BK, WH)
1LAN-DCCS-6C	SC APC Keystone Adapter
1LAN-DCCS-B3	LC APC Keystone Adapter
1LAN-D600-SCJ-GN	SC APC Keystone Adapter, shuttered
1LAN-D600-BLA-WH	Blank Insert Module, solid (100-ct.) 1 bag
1LAN-D600-SBFJ2-WH	Surface-Mount Box for keystones, 2-port (extended)
1LAN-D600-SB4A-WH	Surface-Mount Box for keystones, 4-port
1LAN-D600-SB6A-WH	Surface-Mount Box for keystones, 6-port
1LAN-D2013-24HD	Blank P-Panel, 24-port, metal
1LAN-D920CC-6	Keystone CCH Panel
1LAN-D600E03-BL	CAT 6 Patch Cable, 3 ft
1LAN-D600E05-BL	CAT 6 Patch Cable, 5 ft
1LAN-D600E07-BL	CAT 6 Patch Cable, 7 ft
1LAN-D600E10-BL	CAT 6 Patch Cable, 10 ft
1LAN-D600E14-BL	CAT 6 Patch Cable, 14 ft
1LAN-D600E25-BL	CAT 6 Patch Cable, 25 ft
1LAN-D600E50-BL	CAT 6 Patch Cable, 50 ft
1LAN-D600-ENC-3	Outdoor Enclosure for micro SDAN family (81XX, 82XX)
1LAN-D600-ENC-8	Outdoor Enclosure for 4/8 GE port family (729X, 769X)
1LAN-SDAN-FST0004	Fiber Slack Tray (729x series)
1LAN-SDAN-SMCRD	Surface-Mount Cradle (8293 series)



Optical Splitters

Corning Part Number	Description
1LAN-SPLT-132-486C	1x32 Splitter, SC APC, wall-mountable terminal
1LAN-PLS-A16LCA	1x16 PLC Splitter, 19-in rack, LC APC, 900 μm
1LAN-PLS-B16LCA	2x16 PLC Splitter, 19-in rack, LC APC, 900 μm
1LAN-PLS-A32LCA	1x32 PLC Splitter, 19-in rack, LC APC, 900 μm
1LAN-PLS-B32LCA	2x32 PLC Splitter, 19-in rack, LC APC, 900 μm
1LAN-PLS-A16SCA	1x16 PLC Splitter, 19-in rack, SC APC, 900 μm
1LAN-PLS-B16SCA	2x16 PLC Splitter, 19-in rack, SC APC, 900 μm
1LAN-PLS-A32SCA	1x32 PLC Splitter, 19-in rack, SC APC, 900 μm
1LAN-PLS-B32SCA	2x32 PLC Splitter, 19-in rack, SC APC, 900 μm

Optical Attenuator

Corning Part Number	Description
1LAN-OA-UPC	UPC Optical Attenuator

Termination	
Corning Part Number	Description
95-200-44	UniCam® Connector SC APC (single)
95-200-44-Z	UniCam Connector 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 | Power Solutions

Remote Power	
Corning Part Number	Description
PSM-I	PSM-I; PSU Power Supply
PSU6-1U	Power Supply Unit with no PSM-I

Local Power	
Corning Part Number	Description
1LAN-SDAN-PWRSUP2	Software-Defined Access Node Power Supply (Phoenix Connector)



Don't see what you are looking for?

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