

Cisco SD-Access

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Steps for ordering Cisco SD-Access

This section provides a simplified process for ordering the Cisco SD-Access solution:

1. Choose the required Cisco SD-Access platforms.
2. Choose the required software licenses to enable Cisco SD-Access functionality in the device and ISE, available either a-la-carte or with the purchase of Cisco DNA Premier.
3. Choose the required appliances – Cisco DNA Center (if applicable) and Cisco ISE.

Note: Cisco Prime® Infrastructure is not required for Cisco SD-Access.
4. Choose Cisco SD-Access professional services (optional but recommended).

Cisco SD-Access platforms

This solution supports both current and next-generation network devices, including routers, switches, wireless controllers, and access points.

Table 1 summarizes the platforms supported

Table 1. Cisco SD-Access platform support summary

Fabric edge	Cisco Catalyst 9200 Series Switches Cisco Catalyst 9300 Series Switches Cisco Catalyst 9400 Series Switches (SUP-1, SUP-1XL, SUP-1XL-Y) Cisco Catalyst 9500 Series Switches Cisco Catalyst 3850 Series and 3650 Series Switches Cisco Catalyst 4500E Series Switches (Sup8E, Sup9E)
Fabric border	Cisco Nexus® 7700 Switch (Sup 2E, Sup 3E, M3 line cards only) - Default/External Border Only
Fabric border and control plane	Cisco Catalyst 9300 Series Switches Cisco Catalyst 9500 Series Switches Cisco Catalyst 9400 Series Switches (SUP-1, SUP-1XL, SUP-1XL-Y) Cisco Catalyst 9600 Series Switches (SUP-1) Cisco Catalyst 3850 Series Cisco Catalyst 6807-XL Switch (Sup6T, Sup2T) Cisco Catalyst 6500 Series Switches Cisco Catalyst 6880-X Switch Cisco Catalyst 6840-X Switch Cisco 4400 and 4300 Series Integrated Services Routers Cisco ASR 1000 Series Aggregation Services Routers
Fabric-in-a-box	Cisco Catalyst 9300 Series Switches Cisco Catalyst 9400 Series Switches (SUP-1XL, SUP-1XL-Y) Cisco Catalyst 9500 Series Switches

Cisco SD-Access Extended Node	Cisco Catalyst 3560-CX Series Cisco Catalyst Digital Building Series Switches Cisco Industrial Ethernet 3300, 4000, 4010, 5000 Series
Policy Extended Node	Cisco Industrial Ethernet 3400, 3400H Series
Cisco SD-Access Wireless	Cisco Catalyst 9800-40, 9800-80 and 9800-CL Series Wireless Controllers Cisco 3504, 5520 and 8540 Series Wireless Controllers Cisco Catalyst 9800-L Wireless Controller WiFi 6 Access Points: Cisco Catalyst 9105 AX, Cisco Catalyst 9115 AX, Cisco Catalyst 9117 AX, Cisco Catalyst 9120 AX, Cisco Catalyst 9130 AX 802.11 Wave 2 access points: Cisco Aironet® 1800, 2800, 3800, 4800, 1540 and 1560 Series, Cisco Catalyst IW6300 Heavy Duty Series Access Points
Cisco SD-Access Embedded Wireless	Cisco Catalyst 9300 Series Switches (Embedded Wireless with Cisco Catalyst 9800 software package upgrade) Cisco Catalyst 9400 Series Switches (Embedded Wireless with Cisco Catalyst 9800 software package upgrade) Cisco Catalyst 9500 Series Switches (Embedded Wireless with Cisco Catalyst 9800 software package upgrade)

Table 2. SD-Access wired platform part numbers

Product family	Device role	Part number	Description
Cisco Catalyst 9200 Series	Fabric edge node	C9200-24T	24-port data switch
		C9200-24P	24-port data switch with full PoE+
		C9200-48T	48-port data switch
		C9200-48P	48-port data switch full PoE+
		C9200L-24T-4G	24-port data switch
		C9200L-24P-4G	24-port data switch with full PoE+
		C9200L-48T-4G	48-port data switch
		C9200L-48P-4G	48-port data switch full PoE+
		C9200L-24T-4X	24-port data switch
		C9200L-24P-4X	24-port data switch with full PoE+
		C9200L-48T-4X	48-port data switch
		C9200L-48P-4X	48-port data switch with full PoE+

Product family	Device role	Part number	Description
Cisco Catalyst 9300 Series	Fabric edge, border, control plane nodes, Fabric-in-a-box	C9300-24T	24-port data switch
		C9300-48T	48-port data switch
		C9300-24P	24-port PoE+ switch
		C9300-48P	48-port PoE+ switch
		C9300-24U	24-port Cisco UPOE switch
		C9300-48U	48-port Cisco UPOE switch
		C9300-24UX	24-port Multigigabit Cisco UPOE switch
		C9300-48UXM	48-port Multigigabit Cisco UPOE switch
		C9300L-48UXG	48-port Multigigabit Cisco UPOE switch
		C9300L-24UXG	48-port Multigigabit Cisco UPOE switch
		C9300L-24P	24-port Multigigabit Cisco UPOE switch
		C9300L-48P	24-port Multigigabit Cisco UPOE switch
		C9300L-48T	24-port PoE+ switch
		C9300L-24T	48-port PoE+ switch
			48-port data switch
	24-port data switch		
	Catalyst 9300L series switches have fixed uplinks		
Cisco Catalyst 9400 Series	Fabric edge, border, control plane nodes, Fabric-in-a-box	C9404R/C9407R/C9410R with Supervisors	C9400 Supervisor engines
		C9400-SUP-1	Supervisor 1 Module
		C9400-SUP-1XL	Supervisor 1XL Module
		C9400-SUP-1XL-Y	Supervisor 1XL Module with 25G uplinks
		Line Cards:	48-port UPOE Gigabit Ethernet Switching Module
		C9400-LC-48U	48-port UPOE MultiGigabit Ethernet Module
		C9400-LC-48UX	48-port Gigabit Ethernet Module
		C9400-LC-48T	48-port Gigabit Ethernet Module
		C9400-LC-24XS	24-port TenGigabit Ethernet Module with SFP/SFP+
		C9400-LC-48P	48-port Gigabit Ethernet PoE/PoE+ Module
		C9400-LC-24S	24-port Gigabit Ethernet SFP Module
		C9400-LC-48S	48-port Gigabit Ethernet SFP Module
Cisco Catalyst 9500 Series	Fabric edge, border, control plane nodes, Fabric-in-a-box	C9500-12Q	12-port 40 Gigabit Ethernet with QSFP
		C9500-24Q	24-port 40 Gigabit Ethernet with QSFP+
		C9500-40X	40-port 10 Gigabit Ethernet with SFP+
		C9500-32C	32-port 10 Gigabit Ethernet with SFP+
		C9500-32QC	32-port 10 Gigabit Ethernet with QSFP+

Product family	Device role	Part number	Description
		C9500-48Y4C C9500-24Y4C C9500-16X	32-port 100 Gigabit Ethernet High-performance switch 32-port 40 Gigabit Ethernet High-performance switch 48-port 25 Gigabit Ethernet High-performance switch 24-port 25 Gigabit Ethernet High-performance switch 2 x 40 Gigabit Ethernet High-performance Network Module
Cisco Catalyst 9600 Series	Fabric control plane and border node	C9606R with Supervisors C9600-SUP-1 Line Cards: C9600-LC-48YL C9600-LC-24C	Supervisor 1 Module 48 Port 25 G /10 G Line card 24-port 40 G / 12-port 100 G Line card
Cisco Catalyst 3850 Series	Fabric edge, control plane and border node	WS-C3850-12S WS-C3850-24S WS-C3850-24T WS-C3850-48T WS-C3850-24P WS-C3850-48P WS-C3850-48F WS-C3850-24U WS-C3850-48U WS-C3850-24XU WS-C3850-12X48U WS-C3850-12XS WS-C3850-24XS	12-port SFP switch 24-port SFP switch 24-port data switch 48-port data switch 24-port PoE+ switch 48-port PoE+ switch 48-port PoE+ switch 24-port Cisco UPOE switch 48-port Cisco UPOE switch 24-port Cisco UPOE (100 Mbps/1/2.5/5/10 Gbps) switch 48-port Cisco UPOE (with 12x100 Mbps/1/2.5/5/10 Gbps ports) switch 12-port 1/10G SFP+ switch 24-port 1/10 Gbps SFP+ switch
Cisco Catalyst 3650 Series	Fabric edge	WS-C3650-24TS WS-C3650-48TS WS-C3650-24PS WS-C3650-48PS WS-C3650-48FS WS-C3650-24TD WS-C3650-48TD WS-C3650-24PD WS-C3650-24PDM WS-C3650-48PD	4 x Gigabit Ethernet with Small Form Factor Pluggable (SFP) 2 x 10 Gigabit Ethernet with SFP+ and 2 x 10 Gigabit Ethernet with SFP+ or 4 x Gigabit Ethernet with SFP 24 PoE+ (with 8 100-Mbps and 1-, 2.5-, 5-, and 10-Gbps ports) 48 PoE+ (with 12 100-Mbps and 1-, 2.5-, 5-, and 10-Gbps ports) 4 x 10 Gigabit Ethernet with SFP+ or 4 x Gigabit Ethernet with SFP 8 x 10 Gigabit Ethernet with SFP+ or 8 x Gigabit Ethernet with SFP

Product family	Device role	Part number	Description
		WS-C3650-48FD WS-C3650-8X24PD WS-C3650-12X48FD WS-C3650-48TQ WS-C3650-48PQ WS-C3650-48FQ WS-C3650-48FQM WS-C3650-8X24UQ WS-C3650-12X48UQ WS-C3650-12X48UR WS-C3650-12X48UZ	2 x 40 Gigabit Ethernet with QSFP+
Cisco Catalyst 4500 Series	Fabric edge	WS X45-Sup9-E WS X45-Sup8-E	Supervisor engine with 928 Gbps of wired access with an E-Series chassis Supervisor engine with 928 Gbps of wired access with an E-Series chassis

Table 3. Cisco SD-Access fabric border and fabric control plane platform part numbers

Product family	Device role	Part number	Description
Cisco Catalyst 6807- XL and 6500-E	Fabric border and control plane node	VS-S2T-10G* VS-S2T-10G-XL* C6800-SUP6T C6800-SUP6T-XL C6800-8P10G C6800-8P10G-XL C6800-16P10G C6800-16P10G-XL C6800-32P10G C6800-32P10G-XL C6800-8P40G C6800-8P40G-XL	6500 Series Supervisor Engine 2T 6500 Series Supervisor Engine 2T XL 6800 Series Supervisor Engine 6T 6800 Series Supervisor Engine 6T XL 6800 8-port 10 GE with integrated DFC4 6800 8-port 10 GE with integrated DFC4-XL 6800 16-port 10 GE with integrated DFC4 6800 16-port 10 GE with integrated DFC4-XL 6800 32-port 10 GE with integrated dual DFC4 6800 32-port 10 GE with dual integrated dual DFC4-XL 6800 8-port 40GE with dual integrated dual DFC4-E 6800 8-port 40GE with dual integrated dual DFC4-EXL

Product family	Device role	Part number	Description
Cisco Catalyst 6880-X	Fabric border and control plane node	C6880-X	6880-X-chassis (XL tables)
		C6880-X-16P10G	6880-X multirate port card (XL tables)
		C6880-X-LE	6880-X-chassis (standard tables)
		C6880-X-LE-16P10G	6880-X multirate port card (standard tables)
Cisco Catalyst 6840-X	Fabric border and control plane node	C6816-X-LE	6816-X-chassis (standard tables)
		C6832-X-LE	6832-X-chassis (standard tables)
		C6824-X-LE-40G	6824-X-chassis and 2 x 40G
		C6840-X-LE-40G	6840-X-chassis and 2 x 40G

* Sup 2T uplinks do not support Cisco SD-Access.

Product family	Device role	Part number	Description
Cisco Nexus 7700 Series	Fabric border node (default/external border only)	N77-M324FQ-25L	Cisco Nexus 7700 M3 Series 24-port 40G Ethernet module
		N77-M348XP-23L	Cisco Nexus 7700 M3-Series 48-port 1/10G Ethernet module
		N77-M312CQ-26L	Cisco Nexus 7700 M3-Series 12-port 100G Ethernet module
ASR 1000 Series	Fabric border and control plane node	ASR1001-X ASR1001-HX	Cisco ASR1001-X System, Crypto, 6 built-in GE, dual P/S
		ASR1002-X ASR1002-HX	Cisco ASR1001-HX System, 8x 10 GE + 8x 1 GE, 2x P/S, optional crypto
		ASR1006-X ASR1009-X	Cisco ASR 1002-X System, crypto, 6 built-In GE, dual P/S
			Cisco ASR 1002-HX System, 4x 10 GE + 4x 1 GE built-in, dual P/S, optional crypto
			Cisco ASR 1006-X chassis, ASR1000-RP2/ASR1000-RP3/ ASR1000-ESP100/ESP-40
			Cisco ASR 1009-X chassis, ASR1000-RP2/ASR1000-RP3/ ASR1000-ESP100/ASR1000-ESP200/ESP-40
ISR 4400 and 4300 Series	Fabric border and control plane node	ISR4461	4461 ISR with 4 onboard GE, 3 NIM slots, 1 ISC slot, 3 SM slots, 8GB flash memory default, 4 GB DRAM default (data plane), 8 GB DRAM default (control plane)
		ISR4451	
		ISR4431	
		ISR4351	4451 ISR with 4 onboard GE, 3 NIM slots, 1 ISC slot, 2 SM slots, 8 GB flash memory default, 2 GB DRAM default (data plane), 4 GB DRAM default (control plane)
		ISR4331	
		ISR4321	

Product family	Device role	Part number	Description
			<p>4431 ISR with 4 onboard GE, 3 NIM slots, 1 ISC slot, 8 GB flash memory default, 2 GB DRAM default (data plane), 4 GB DRAM default (control plane)</p> <p>4351 ISR with 3 onboard GE, 3 NIM slots, 1 ISC slot, 2 SM slots, 4 GB flash memory default, 4 GB DRAM default</p> <p>4331 ISR with 3 onboard GE, 2 NIM slots, 1 ISC slot, 1 SM slot, 4 GB flash memory default, 4 GB DRAM default</p> <p>4321 ISR with 2 onboard GE, 2 NIM slots, 1 ISC slot, 4 GB flash memory default, 4 GB DRAM default</p>
CSR 1000v	Fabric control plane node	L-CSR-x-AX-xY=	CSR 1000v e-PAK x-year subscription y Speed AX package

Table 4. Cisco SD-Access wireless platform part numbers

Product family	Device role	Part number	Description
Catalyst Wireless Controllers	SD-Access Wireless node	C9800-40-K9	Catalyst 9800-40 Wireless Controller
		C9800-80-K9	Catalyst 9800-80 Wireless Controller
		C9800-CL-K9	Catalyst 9800-CL Wireless Controller for private cloud
Wireless LAN controllers	SD-Access Wireless node	AIR-CT5520-K9	5520 Wireless LAN controller
		AIR-CT8540-K9	8540 Wireless LAN controller
		AIR-CT3504-K9	3504 Wireless LAN controller
802.11AX Access Points	SD-Access Wireless node	C9115AX	Cisco Catalyst 9115AX Access Points
		C9117AX	Cisco Catalyst 9115AX Access Points
Wave 2 access points	SD-Access Wireless node	AIR-AP4800X-x-K9	4800 Series access points
		AIR-AP3802X-x-K9	3800 Series access points
		AIR-AP2802X-x-K9	2800 Series access points
		AIR-AP1832X-x-K9	1830 Series access points
		AIR-AP1852X-x-K9	1850 Series access points
		AIR-AP1815X-x-K9	1815 Series Wave 2 access points
		AIR-AP1810X-x-K9	1810 Series Wave 2 access points
		AIR-AP4800-x-K9	4800 Series access points Dual-band, controller-based
		AIR-AP15621-x-K9	802.11a/b/g/n/ac
		AIR-AP1562E-x-K9	1560 Series access points Dual-band
		AIR-AP1562D-x-K9	802.11a/g/n/ac, Wave 2, internal semi-omni antennas
AIR-AP1542I-x-K9	1560 Series access points Dual-band		

Product family	Device role	Part number	Description
		AIR-AP1542D-x-K9	802.11a/g/n/ac, Wave 2, external antennas
		IW-6300H-DC-x-K9	1560 Series access points Dual-band 802.11a/g/n/ac, Wave 2, internal directional antennas
		IW-6300H-DCW-x-K9	1540 Series access points Dual-band 802.11a/g/n/ac, Wave 2, internal omni antennas
		IW-6300H-AC-x-K9	1540 Series access points Dual-band 802.11a/g/n/ac, Wave 2, internal directional antennas
			IW6300 Heavy Duty series with dual band 802.11a/g/n/ac, external antenna, PoE and UPOE.

Table 5. Cisco SD-Access Extended platform part numbers

Product family	Device role	Part number	Description
Cisco Catalyst 3560-CX Series	Cisco SD-Access Extended node	C3560CX-8TC-S	8 x 1GE, 2 x 1G copper plus 2 x 1G SFP uplinks
		C3560CX-12TC-S	12 x 1GE, 2 x 1G copper plus 2 x 1G SFP uplinks
		C3560CX-8PC-S	8 x 1GE, 2 x 1G copper plus 2 x 1G SFP uplinks, 8 PoE+, 240W
		C3560CX-12PC-S	12 x 1GE, 2 x 1G copper plus 2 x 1G SFP uplinks, 12 PoE+, 240W
		C3560CX-12PD-S	12 x 1GE, 2 x 1G copper plus 2 x 1G SFP uplinks, 12 PoE+, 240W
		C3560CX-8PT-S	12 x 1GE, 2 x 1G copper plus 2 x 1G SFP uplinks, 12 PoE+, 240W
		C3560CX-8XPD-S	12 x 1GE, 2 x 1G copper plus 2 x 10G SFP+ uplinks, 12 PoE+, 240W
Cisco Catalyst Digital Building Series	Cisco SD-Access Extended node	CDB-8P	8 x 1 FE, 2 x 1G copper uplinks, 8 PoE+, 240W
		CDB-8U	8 x 1 FE, 2 x 1G copper uplinks, 8 Cisco UPOE, 480W

Product family	Device role	Part number	Description
Cisco Catalyst Industrial Ethernet 3300 Series	Cisco SD-Access Extended node	IE3300-8T2S-E IE3300-8T2S-A IE3300-8P2S-E IE3300-8P2S-A	IE 3300 Rugged Series switches are available with 10 full Gigabit Ethernet interfaces
Cisco Catalyst Industrial Ethernet 3400 Series	Cisco SD-Access Policy Extended node	IE3400-8TD2S-E IE3400-8TD2S-A IE3400-8PD2S-E IE3400-8PD2S-E	IE 3400 Rugged Series switches are available with 10 high-speed Gigabit Ethernet connectivity in a compact form factor.
Cisco Industrial Ethernet 3400 Heavy Duty Series	Cisco SD-Access Policy Extended node	IE-3400H-8FT-E IE-3400H-16FT-E IE-3400H-24T-E IE-3400H-8T-E IE-3400H-16T-E IE-3400H-24T-E	IE3400H Series available with 8, 16, or 24 Fast ethernet (D-coded and X-coded) M12 interfaces
Cisco Industrial Ethernet 4000 Series	Cisco SD-Access Extended node	IE-4000-8GS4G-E IE-4000-8GT4G-E IE-4000-16GT4G-E IE-4000-4GS8GP4G-E IE-4000-8GT8GP4G-E IE-4000-4GC4GP4G-E IE-4000-4T4P4G-E IE-4000-8S4G-E IE-4000-8T4G-E IE-4000-4TC4G-E IE-4000-16T4G-E IE-4000-4S8P4G-E	4 x 1G combo with 8 x 1G SFP 4 x 1G combo with 8 x 1G copper 4 x 1G combo with 16 x 1G copper 4 x 1G combo with 4 x 1G SFP, 8 x 1G PoE 4 x 1G combo with 8 x 1G copper, 8 x 1G PoE 4 x 1G combo with 4 x 1G combo, 4 x 1G PoE 4 x 1G combo with 4 x 1 FE copper, 4 x 1 FE PoE 4 x 1G combo with 8 x 1 FE SFP 4 x 1G combo with 8 x 1 FE copper 4 x 1G combo with 4 x 1 FE combo 4 x 1G combo with 16 x 1 FE copper 4 x 1G combo with 4 x 1 FE SFP, 8 x 1 FE PoE
Cisco Industrial Ethernet 4010 Series	Cisco SD-Access Extended node	IE-4010-4S24P IE-4010-16S12P	4 x 1G SFP with 24 x 1 G PoE, 16 x 1G SFP with 12 x 1 G PoE
Cisco Industrial Ethernet 5000 Series	Cisco SD-Access Extended node	IE-5000-12S12P-10G IE-5000-16S12P	4 x 10G SFP with 12 x 1 G SFP, 12 x 1 G PoE 16 x 1G SFP with 12 x 1 G PoE

Cisco SD-Access software licenses

Table 6 and Table 7 summarizes the platform licenses required to be able to deploy Cisco SD-Access in your network.

Table 6. Cisco SD-Access platform license combinations for Cisco Catalyst Switches

Network stack license (Base)	Lan-Lite	IP Base	IP Services	Enterprise Services	Ad. IP Services	Ad. IP Enterprise Services	Network Advantage	Network Essentials
Add-on license	Cisco DNA Premier/ Cisco DNA Advantage	Cisco DNA Premier/ Cisco DNA Advantage	Cisco DNA Premier/ Cisco DNA Advantage	Cisco DNA Premier/ Cisco DNA Advantage	Cisco DNA Premier/ Cisco DNA Advantage	Cisco DNA Premier/ Cisco DNA Advantage	Cisco DNA Premier/ Cisco DNA Advantage	Cisco DNA Premier/ Cisco DNA Advantage
Cisco Catalyst 3650, 3850		✓		✓				
Cisco Catalyst 9200							✓	
Cisco Catalyst 9300							✓	
Cisco Catalyst 9400							✓	
Cisco Catalyst 9500							✓	
Cisco Catalyst 9600							✓	
Cisco Catalyst 4500E (Sup8E, Sup9E)				✓			✓	
Sup 2T (6500-E, 6807-XL)					✓	✓		
Sup 6T (6500-E, 6807-XL), 6840-X, 6800-X						✓		

Network stack license (Base)	Lan-Lite	IP Base	IP Services	Enterprise Services	Ad. IP Services	Ad. IP Enterprise Services	Network Advantage	Network Essentials
CDB	✓							
Cisco Catalyst 3560-CX		✓	✓					
IE 3200 Series								✓
IE 3300 Series								✓
IE 3400 Series, IE 3400H Series								✓

Table 7. Summarizes the platform licenses required to be able to deploy Cisco SD-Access in your network.

Table 7. Cisco SD-Access platform license combinations

Network stack license (Base)	LAN Enterprise	AX/AppX	Ad. IP Services	Adv. Enterprise Services
Add-on license	Cisco DNA Premier/ Cisco DNA Advantage	Cisco DNA Premier/ Cisco DNA Advantage	Cisco DNA Premier/ Cisco DNA Advantage	Cisco DNA Premier/ Cisco DNA Advantage
Cisco Nexus 7700 Series- M3	✓			
Cisco ASR-1000-X, ASR-1000-HX			✓	✓
Cisco 4300, 4430, 4450, 4661 Series ISR		✓		
Cisco CSR 1000v		✓		
Cisco Catalyst 9800-80, 9800-40, 9800-CL, 9800-L, 9800 Embedded Wireless				✓
AIR-CT5520, AIR-CT8540, AIR-CT3504				✓

Network stack license (Base)	LAN Enterprise	AX/AppX	Ad. IP Services	Adv. Enterprise Services
Wave2 APs (1800, 2800, 3800, 4800, 1560, 1540, Cisco Catalyst IW6300)				✓
WiFi 6 APs (9115 AX, 9117 AX, 9120 AX, 9130 AX)				✓

Notes:

- Cisco DNA subscriptions require a minimum level of Base license on the device. The Base licenses are perpetual in nature.
- Cisco DNA subscriptions are term based and are available in 3-, 5-, and, in some cases, 7-year terms.
- On the Cisco Catalyst 3000 Series Switches, only three virtual networks are available if IP Base and Cisco DNA Advantage are enabled on the switch. With IP Services, the restriction of three virtual networks is removed and all VRFs supported on the platform are available for Cisco SD-Access.
- Cisco DNA subscriptions can be purchased as a configuration option under most compatible hardware platforms (listed above), or can be purchased separately using A La Carte (ALC) SKUs.
- Cisco DNA Premier is term based and available in 3-, 5-, and, in some cases, 7-year terms.
- Cisco DNA Premier bundle includes Cisco DNA Advantage, ISE Base, ISE Plus, and Stealthwatch licenses. This bundle includes between 25 and 100 ISE Base and ISE Plus sessions and 25 flows for a fixed switch, depending on the switch.
 - Note that an add-on consisting of 25 ISE Base and ISE Plus sessions and an additional 25 flows is selected by default for 48-port switches at an additional cost. Customers can select up to three add-ons, for up to 100 ISE Base and ISE Plus endpoints and 100 flows per modular switch. This add-on is optional and can be removed if not required.
- Cisco DNA Advantage for Wireless includes term-based AP license and Cisco Prime Infrastructure license.
- Cisco DNA Premier for Wireless includes term-based Cisco DNA Advantage, AP license, Cisco Prime Infrastructure license, CMX Base, and 15 endpoint licenses for ISE Base and ISE Plus per access point.
- Cisco SD-Access Wireless requires Cisco DNA Advantage or Cisco DNA Premier license per Access Point.
- Cisco SD-Access Embedded Wireless requires Cisco DNA Advantage or Cisco DNA Premier license per Access Point.
- Cisco SD-Access requires ISE Base and ISE Plus licenses.

The following sections list the detailed SKUs required to deploy Cisco SD-Access.

In most cases, Cisco DNA subscriptions can be added as an option when configuring Cisco SD-Access-capable hardware in Cisco Commerce Workspace (CCW). When ordered separately (for brownfield purposes), the following part numbers will serve as a guide for ordering and configuring Cisco DNA licenses.

For Cisco DNA Premier Software, the part number is the orderable part number, which should be entered into the ordering tool first. After the orderable part number is entered, the software part numbers are visible in the Subscription Software Option Class. The subscription term will typically default to 60 months, but can be modified in two ways. The Subscription Duration Preference area of the ordering tool can be modified for the desired subscription term, or the Advantage part number hyperlink can be customized to a 3, 5, or, in some cases, 7- year term.

Cisco Catalyst 9200L Series licenses

Table 8. A la carte part numbers for ordering Cisco DNA Advantage for the Cisco Catalyst 9200L Series

License type	Product ID	Description
A la carte part numbers	C9200L-DNA-A-24 (Greenfield) C9200L-DNA-A-24= (Brownfield)	C9200L Cisco DNA Advantage, 24-port term licenses
	C9200L-DNA-A-24-3Y	C9200L Cisco DNA Advantage, 24-port, 3-year term license
	C9200L-DNA-A-24-5Y	C9200L Cisco DNA Advantage, 24-port, 5-year term license
	C9200L-DNA-A-24-7Y	C9200L Cisco DNA Advantage, 24-port, 7-year term license
	C9200L-DNA-A-48 (Greenfield) C9200L-DNA-A-48= (Brownfield)	C9200 Cisco DNA Advantage, 48-port term licenses
	C9200L-DNA-A-48-3Y	C9200L Cisco DNA Advantage, 48-port, 3-year term license
	C9200L-DNA-A-48-5Y	C9200L Cisco DNA Advantage, 48-port, 5-year term license
	C9200L-DNA-A-48-7Y	C9200L Cisco DNA Advantage, 48-port, 7-year term license

Cisco Catalyst 9200 Series licenses

Table 9. A la carte part numbers and Cisco DNA Premier Software part numbers for ordering Cisco DNA Advantage for the Cisco Catalyst 9200 Series

License type	Product ID	Description
A la carte part numbers	C9200-DNA-A-24 (Greenfield)/ C9200-DNA-A-24= (Brownfield) C9200-DNA-A-24-3Y C9200-DNA-A-24-5Y C9200-DNA-A-24-7Y	C9200 Cisco DNA Advantage, 24-port term licenses C9200 Cisco DNA Advantage, 24-port, 3-year term license C9200 Cisco DNA Advantage, 24-port, 5-year term license C9200 Cisco DNA Advantage, 24-port, 7-year term license
	C9200-DNA-A-48 (Greenfield)/ C9200-DNA-A-48= (Brownfield) C9200-DNA-A-48-3Y C9200-DNA-A-48-5Y C9200-DNA-A-48-7Y	C9200 Cisco DNA Advantage, 48-port term licenses C9200 Cisco DNA Advantage, 48-port, 3-year term license C9200 Cisco DNA Advantage, 48-port, 5-year term license C9200 Cisco DNA Advantage, 48-port, 7-year term license
Cisco DNA Premier	C1-CAT-ADD-T (Brownfield) C9200-DNA-P-24-3Y (Greenfield/Brownfield) C9200-DNA-P-24-5Y (Greenfield/Brownfield) C9200-DNA-P-24-7Y (Greenfield/Brownfield) C1-CAT-ADD-T (Brownfield) C9200-DNA-A-48-3Y (Greenfield/Brownfield) C9200-DNA-A-48-5Y (Greenfield/Brownfield) C9200-DNA-A-48-7Y (Greenfield/Brownfield)	C9200 Cisco DNA Premier, 24-port term licenses C9200 Cisco DNA Premier, 24-port, 3-Year term license C9200 Cisco DNA Premier, 24-port, 5-year term license C9200 Cisco DNA Premier, 24-port, 7-year term license C9200 Cisco DNA Premier, 48-port term licenses C9200 Cisco DNA Premier, 48-port, 3-year term license C9200 Cisco DNA Premier, 48-port, 5-year term license C9200 Cisco DNA Premier, 48-port, 7-year term license

Cisco Catalyst 9300 Series licenses

Tables 10 and 11 list the part numbers for ordering of Cisco DNA Advantage for the Cisco Catalyst 9300 Series.

Table 10. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 9300 Series

License type	Product ID	Description
A la carte part numbers	C9300-DNA-A-24 (Greenfield)/ C9300-DNA-A-24= (Brownfield)	C9300 Cisco DNA Advantage, 24-port term licenses
	C9300-DNA-A-24-3Y	C9300 Cisco DNA Advantage, 24-port, 3-year term license
	C9300-DNA-A-24-5Y	C9300 Cisco DNA Advantage, 24-port, 5-year term license
	C9300-DNA-A-24-7Y	C9300 Cisco DNA Advantage, 24-port, 7-year term license
	C9300-DNA-A-48 (Greenfield)/ C9300-DNA-A-48= (Brownfield)	C9300 Cisco DNA Advantage, 48-port term licenses
	C9300-DNA-A-48-3Y	C9300 Cisco DNA Advantage, 48-port, 3-year term license
	C9300-DNA-A-48-5Y	C9300 Cisco DNA Advantage, 48-port, 5-year term license
	C9300-DNA-A-48-7Y	C9300 Cisco DNA Advantage, 48-port, 7-year term license

Table 11. Cisco DNA Premier Software part numbers for Cisco DNA Advantage for the Cisco Catalyst 9300 Series

License type	Product ID	Description
Cisco DNA Premier	C1-CAT-ADD-T (Brownfield)	Top-level SKU
	C1A1TCAT93001 (Greenfield/Brownfield)	Cisco DNA Premier term, C9300 24-port
	C1A1TCAT93002 (Greenfield/Brownfield)	Cisco DNA Premier term, C9300 48-port
	C1A1ATACT93001 (Greenfield/Brownfield)	Cisco DNA Premier Upgrade term, C9300 24-port
	C1A1ATACT93002 (Greenfield/Brownfield)	Cisco DNA Premier Upgrade term, C9300 48-port

The base license for Cisco DNA Advantage or Cisco DNA Premier is Network Advantage. For initial purchase, choose only hardware PIDs with the “-A” suffix. For “-E” suffix, use an upgrade SKU to upgrade to “-A” suffix.

Cisco Catalyst 9300L Series licenses

Table 10a. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 9300 Series

License type	Product ID	Description
A la carte part numbers	C9300L-DNA-A-24 (Greenfield)/ C9300L-DNA-A-24= (Brownfield)	C9300L Cisco DNA Advantage, 24-port term licenses
	C9300L-DNA-A-24-3Y	C9300L Cisco DNA Advantage, 24-port, 3 Year Term license
	C9300L-DNA-A-24-5Y	C9300L Cisco DNA Advantage, 24-port, 5 Year Term licens
	C9300L-DNA-A-24-7Y	C9300L Cisco DNA Advantage, 24-port, 7 Year Term license
	C9300L-DNA-A-48 (Greenfield)/ C9300L-DNA-A-48= (Brownfield)	C9300L Cisco DNA Advantage, 48-port term licenses
	C9300L-DNA-A-48-3Y	C9300L Cisco DNA Advantage, 48-port, 3-year term license
	C9300L-DNA-A-48-5Y	C9300L Cisco DNA Advantage, 48-port, 5-year term license
	C9300L-DNA-A-48-7Y	C9300L Cisco DNA Advantage, 48-port, 7-year term license

Cisco Catalyst 9400 Series licenses

Tables 12 and 13 list the part numbers for ordering of Cisco DNA Advantage for the Cisco Catalyst 9400 Series.

Table 12. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 9400 Series

License type	Product ID	Description
A la carte part numbers	C9400-DNA-A (Greenfield)/ C9400-DNA-A = (Brownfield)	Top-level SKU
	C9400-DNA-A-3Y	C9400 Cisco DNA Advantage, 3-year term license
	C9400-DNA-A-5Y	C9400 Cisco DNA Advantage, 5-year term license
	C9400-DNA-A-7Y	C9400 Cisco DNA Advantage, 7-year term license

Table 13. Cisco DNA Premier Software part numbers for Cisco DNA Advantage for the Cisco Catalyst 9400 Series

License type	Product ID	Description
Cisco DNA Premier	C1-CAT-ADD-T (Brownfield) C1A1TCAT94001 (Greenfield/Brownfield)	Top-level SKU Cisco DNA Premier term, C9400

The base license for Cisco DNA Advantage or Cisco DNA Premier Advantage is Network Advantage. For initial purchase, choose only hardware PIDs with the “-A” suffix. For “-E” suffix, use an upgrade SKU to upgrade to “-A” suffix.

Cisco Catalyst 9500 Series licenses

Table 14 lists the part numbers for a la carte ordering of Cisco DNA Advantage for the Cisco Catalyst 9500 Series.

Table 15 lists the part numbers for ordering through Cisco DNA Premier.

Table 14. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 9500 Series

License type	Product ID	Description
A la carte part numbers	C9500-DNA-L-A (Greenfield)	C9500 Cisco DNA Advantage, low density term licenses
	C9500-DNA-L-A-3Y	C9500 Cisco DNA Advantage, low density, 3-year term license
	C9500-DNA-L-A-5Y	C9500 Cisco DNA Advantage, low density, 5-year term license
	C9500-DNA-L-A-7Y	C9500 Cisco DNA Advantage, low density, 7-year term license
	C9500-DNA-L-A (Greenfield)	C9500 Cisco DNA Advantage, high density term licenses
	C9500-DNA-L-A-3Y	C9500 Cisco DNA Advantage, high density, 3-year term license
	C9500-DNA-L-A-5Y	C9500 Cisco DNA Advantage, high density, 5-year term license
	C9500-DNA-L-A-7Y	C9500 Cisco DNA Advantage, high density, 7-year term license

Table 15. Cisco DNA Premier Software part numbers for Cisco DNA Advantage for the Cisco Catalyst 9500 Series

License type	Product ID	Description
Cisco DNA Premier	C1-CAT-ADD-T (Brownfield)	Top-level SKU
	C1A1TCAT95001 (Greenfield/Brownfield)	Cisco DNA Premier Advantage term, C9500
	C1A1ATCAT95001 (Greenfield/Brownfield)	Cisco DNA Premier Advantage Upgrade term, C9500

The base license for Cisco DNA Advantage or Cisco DNA Premier Advantage is Network Advantage. For initial purchase, choose only hardware PIDs with the “-A” suffix. For “-E” suffix, use an upgrade SKU to upgrade to “-A” suffix.

Cisco Catalyst 9600 Series licenses

Table 14a lists the part numbers for a la carte ordering of Cisco DNA Advantage for the Cisco Catalyst 9600 Series.

Table 14a. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 9600 Series

License type	Product ID	Description
A la carte part numbers	C9600-DNA-A (Greenfield)	Top-level SKU
	C9600-DNA-A-3Y	C9600 Cisco DNA Advantage, 3-year term license
	C9600-DNA-A-5Y	C9600 Cisco DNA Advantage, 5-year term license
	C9600-DNA-A-7Y	C9600 Cisco DNA Advantage, 7-year term license
Cisco DNA Premier	C9600-DNA-P-3Y	Cisco DNA Premier Advantage, 3-year term license
	C9600-DNA-P-5Y	Cisco DNA Premier Advantage, 5-year term license
	C9600-DNA-P-7Y	Cisco DNA Premier Advantage, 7-year term license

Cisco Catalyst 3850 Series licenses

Tables 16, 17, 18, and 19 list the product IDs for ordering Cisco DNA Advantage or Cisco DNA Premier licenses for the Cisco Catalyst 3850 Series.

Table 16. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 3850 Series

License type	Product ID	Description
A la carte part numbers	C3850-DNA-A-24 (Greenfield)/ C3850-DNA-A-24= (Brownfield)	C3850 Cisco DNA Advantage, 24-port term licenses
	C3850-DNA-A-24-3Y	C3850 Cisco DNA Advantage, 24-port, 3-year term license
	C3850-DNA-A-24-5Y	C3850 Cisco DNA Advantage, 24-port, 5-year term license
	C3850-DNA-A-48 (Greenfield)/ C3850-DNA-A-48= (Brownfield)	C3850 Cisco DNA Advantage, 48-port term licenses
	C3850-DNA-A-48-3Y	C3850 Cisco DNA Advantage, 48-port, 3-year term license
	C3850-DNA-A-48-5Y	C3850 Cisco DNA Advantage, 48-port, 5-year term license

Table 17. Cisco DNA Premier Software part numbers for Cisco DNA Advantage for the Cisco Catalyst 3850 Series

License type	Product ID	Description
Cisco DNA Premier	C1-CAT-ADD-T (Brownfield)	Top-level SKU
	C1A1ATCAT38501 (Greenfield/Brownfield)	Cisco DNA Premier term, C3850 24-port
	C1A1ATCAT38502 (Greenfield/Brownfield)	Cisco DNA Premier term, C3850 48-port

Table 18. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 3850 Series (10G fiber)

License type	Product ID	Description
A la carte part numbers	C3850XS-DNA-L-A (Greenfield)	C3850 Cisco DNA Advantage, Low Port Term licenses
	C3850XS-DNA-L-A= (Brownfield)	
	C3850XS-DNA-L-A-3Y	C3850 Cisco DNA Advantage, Low Port, 3 Year Term license
	C3850XS-DNA-L-A-5Y	C3850 Cisco DNA Advantage, Low Port, 5 Year Term license
	C3850XS-DNA-A (Greenfield)	C3850 Cisco DNA Advantage, High Port Term licenses
	C3850XS-DNA-A= (Brownfield)	
C3850XS-DNA-A-3Y	C3850 Cisco DNA Advantage, High Port, 3 Year Term license	
C3850XS-DNA-A-5Y	C3850 Cisco DNA Advantage, High Port, 5 Year Term license	

Table 19. Cisco DNA Premier Software part numbers for Cisco DNA Advantage for the Cisco Catalyst 3850 Series (fiber)

License type	Product ID	Description
Cisco DNA Premier	C1-CAT-ADD-T (Brownfield)	Top-level SKU
	C1A1ATCAT38503 (Greenfield/Brownfield)	Cisco DNA Premier term, C3850 12-port fiber
	C1A1ATCAT38504 (Greenfield/Brownfield)	Cisco DNA Premier term, C3850 24-port fiber
	C1A1ATCAT38505 (Greenfield/Brownfield)	Cisco DNA Premier term, C3850 48-port fiber

The required base license for Cisco DNA Advantage is IP Base or IP Services. Choose only hardware PIDs with the “-S” or “-E” suffix. Note that when the base license is IP Base, you are limited to only three virtual networks.

Cisco Catalyst 3650 Series licenses

Table 20 lists the product IDs for ordering Cisco DNA Advantage licenses for the Cisco Catalyst 3650 Series.

Table 20. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 3650 Series

License type	Product ID	Description
A la carte part numbers	C3650-DNA-A-24 (Greenfield) C3650-DNA-A-24= (Brownfield) C3650-DNA-A-24-3Y C3650-DNA-A-24-5Y	C3650 Cisco DNA Advantage, 24-port term licenses C3650 Cisco DNA Advantage, 24-port, 3-year term license C3650 Cisco DNA Advantage, 24-port, 5-year term license
	C3650-DNA-A-48 (Greenfield) C3650-DNA-A-48= (Brownfield) C3650-DNA-A-48-3Y C3650-DNA-A-48-5Y	C3650 Cisco DNA Advantage, 48-port term licenses C3650 Cisco DNA Advantage, 48-port, 3-year term license C3650 Cisco DNA Advantage, 48-port, 5-year term license
Cisco DNA Premier	C1-CAT-ADD-T (Brownfield) C1A1ATCAT36501 (Greenfield/Brownfield) C1A1ATCAT36502 (Greenfield/Brownfield)	Top-level SKU Cisco DNA Premier Term C3650 24-Port Cisco DNA Premier Term C3650 48-Port

The required base license for Cisco DNA Advantage is IP Base or IP Services. For initial purchase, choose only hardware PIDs with the “-A” suffix. For “-E” suffix, use an upgrade SKU to upgrade to “-A” suffix. Note that when the base license is IP Base, you are limited to only three virtual networks.

Cisco Catalyst 3560-CX and Cisco Catalyst Digital Building Series licenses

Table 21. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 3650 Series

License type	Product ID	Description
A la carte part numbers	C3560CX-DNA-A-8 (Greenfield) C3560CX-DNA-A-8= (Brownfield) C3560CX-DNA-A-8-3 C3560CX-DNA-A-8-5	C3560 Cisco DNA Advantage, 8-port term licenses C3560 Cisco DNA Advantage, 8-port, 3-year term license C3560 Cisco DNA Advantage, 8-port, 5-year term license
	C3560CX-DNA-A-12 (Greenfield) C3560CX-DNA-A-12= (Brownfield) C3560CX-DNA-A-12-3 C3560CX-DNA-A-12-5	C3560 Cisco DNA Advantage, 12-port term licenses C3560 Cisco DNA Advantage, 12-port, 3-year term license C3560 Cisco DNA Advantage, 12-port, 5-year term license

Table 22. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst Digital Building Series

License type	Product ID	Description
A la carte part numbers	CDB-DNA-A-8 (Greenfield)	Cisco Digital Building Cisco DNA Advantage, 24-port term licenses Cisco Digital Building Cisco DNA Advantage, 24-port, 3-year term license Cisco Digital Building Cisco DNA Advantage, 24-port, 5-year term license Cisco Digital Building Cisco DNA Advantage, 24-port, 7-year term license
	CDB-DNA-A-8= (Brownfield)	
	CDB-DNA-A-8-3Y	
	CDB-DNA-A-8-5Y	
	CDB-DNA-A-8-7Y	

Cisco Catalyst 4500-E Series licenses

Only the 4500-E Series switches with Sup 8E and Sup 9E Supervisors are capable of Cisco SD-Access.

Tables 23 and 24 list the product IDs for ordering Cisco DNA Advantage or Cisco DNA Premier licenses for the Cisco Catalyst 4500-E Series.

Table 23. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 4500-E Series

License type	Product ID	Description
A la carte part numbers	C4500E-DNA-A (Greenfield)	C4500E Cisco DNA Advantage term license C4500E Cisco DNA Advantage 3-year term license C4500E Cisco DNA Advantage 5-year term license C4500E Cisco DNA Advantage 7-year term license
	C4500E-DNA-A= (Brownfield)	
	C4500E-DNA-A-3Y	
	C4500E-DNA-A-5Y	
	C4500E-DNA-A-7Y	

Table 24. Cisco DNA Premier Software part numbers for Cisco DNA Advantage for the Cisco Catalyst 4500-E Series

License type	Product ID	Description
A la carte part numbers	C1-CAT-ADD-T (Brownfield)	Top-level SKU Cisco DNA Premier Term C4500E Cisco DNA Premier Term 16/24 Port C4500X Cisco DNA Premier Term 32 Port C4500X
	C1A1ATCAT4500S (Greenfield/Brownfield)	
	C1A1ATCAT4500X (Greenfield/Brownfield)	
	C1A2ATCAT4500X (Greenfield/Brownfield)	

The required base license for Cisco DNA Advantage is IP Base or Enterprise Services. For initial purchase, choose only hardware PIDs with the “-A” suffix. For “-E” suffix, use an upgrade SKU to upgrade to “-A” suffix. Note that when the base license is IP Base, you are limited to only three virtual networks.

Cisco Catalyst 6800 Series and 6500-E Series licenses

Only Cisco Catalyst 6840-X Series, 6880-X Series, 6500-E Series, and 6807-XL Series support Cisco SD-Access. For 6500-E and 6807-XL, Sup 2T and Sup 6T Supervisors are required. Note that Sup 2T uplinks do not support Cisco SD-Access.

Tables 25 and 26 list the part numbers for ordering Cisco DNA Advantage for the Cisco Catalyst 6840-X, 6880-X, 6500-E, and 6807-XL Series.

Table 25. A la carte part numbers for Cisco DNA Advantage for the Cisco Catalyst 6800 and 6500-E Series

License type	Product ID	Description
A la carte part numbers	C6840-DNA-L-A (Greenfield)	C6840 Low Density Term
	C6840-DNA-L-A= (Brownfield)	3 years
	C6840-DNA-L-A-3Y	5 years
	C6840-DNA-L-A-5Y	7 years
	C6840-DNA-L-A-7Y	
	C6500-DNA-A (Greenfield)	C6500 High Density Term
	C6500-DNA-A= (Brownfield)	3 years
	C6500-DNA-A-3Y	5 years
	C6500-DNA-A-5Y	7 years
	C6500-DNA-A-7Y	
	C6807-DNA-A (Greenfield)	C6807 High Density Term
	C6807-DNA-A= (Brownfield)	3 years
	C6807-DNA-A-3Y	5 years
	C6807-DNA-A-5Y	7 years
	C6807-DNA-A-7Y	
	C6880-DNA-A (Greenfield)	C6880 High Density Term
C6880-DNA-A= (Brownfield)	3 years	
C6880-DNA-A-3Y	5 years	
C6880-DNA-A-5Y	7 years	
C6880-DNA-A-7Y		
C6840-DNA-A (Greenfield)	C6840 High Density Term	
C6840-DNA-A= (Brownfield)	3 years	
C6840-DNA-A-3Y	5 years	
C6840-DNA-A-5Y	7 years	
C6840-DNA-A-7Y		

Any base license on the Cisco Catalyst 6800 and 6500-E Series can be used with Cisco DNA Advantage. Note that when the base license is IP Base, you are limited to only three virtual networks.

Table 26. Cisco DNA Premier Software part numbers for Cisco DNA Advantage for the Cisco Catalyst 6800 and 6500-E Series

License type	Product ID	Description
Cisco DNA Premier Advantage	C1-CAT-ADD-T (Brownfield)	Top-level SKU
	C1A1ATCAT65001 (Greenfield/Brownfield)	Cisco DNA Premier Term C6500
	C1A1ATCAT68071 (Greenfield/Brownfield)	Cisco DNA Premier Term C6807
	C1A1ATCAT68801 (Greenfield/Brownfield)	Cisco DNA Premier Term C6880
	C1A1ATCAT68401 (Greenfield/Brownfield)	Cisco DNA Premier Low Term C6816/C6824
	C1A1ATCAT68402 (Greenfield/Brownfield)	Cisco DNA Premier High Term C6832/C6840
	C1AA1TCAT6500 (Greenfield/Brownfield)	Cisco DNA Premier Add-On Term, C6500
	C1AA1TCAT6800 (Greenfield/Brownfield)	Cisco DNA Premier Add-On Term, C6807/C6880
C1AA1TCAT6840 (Greenfield/Brownfield)	Cisco DNA Premier Add-On Term, 6840	

Cisco Nexus 7700 Series licenses

Only Cisco Nexus 7700 Series Switches with Sup2E and M3 line cards support Cisco SD-Access.

Table 27 lists the part numbers for a la carte ordering of Cisco DNA Advantage for the Cisco Nexus 7700 Series.

Table 27. A la carte part numbers for Cisco DNA Advantage for the Cisco Nexus 7700 Series

License type	Product ID	Description
A la carte part numbers	N7000-DNA-A (Greenfield)/	Nexus 7000 Cisco DNA Advantage
	N7000-DNA-A= (Brownfield)	3 Years
	N7000-DNA-A-3YR	5 Years
	N7000-DNA-A-5YR	7 Years
	N7000-DNA-A-7YR	

Contact your account team for additional ordering information, such as Cisco DNA Premier Software packaging.

The minimum base license for activating Cisco DNA Advantage is the LAN Enterprise license (N77-LAN1K9).

Cisco Industrial Ethernet 3200 Series licenses

Table 28. A la carte part numbers for Cisco DNA Essentials for the Cisco Industrial Ethernet 3200 Series license

License type	Product ID	Description
A la carte part numbers	IE3200-DNA-E	IE3200 Series Cisco DNA Essentials
	IE3200-DNA-E-3Y	3 Years
	IE3200-DNA-E-5Y	5 Years

Cisco Industrial Ethernet 3300 Series licenses

Table 29. A la carte part numbers for Cisco DNA Advantage and DNA Essentials for the Cisco Industrial Ethernet 3300 Series license

License type	Product ID	Description
A la carte part numbers	IIE3300-DNA-A	IE3300 Series Cisco DNA Advantage
	IE3300-DNA-E	IE3300 Series Cisco DNA Essentials
	IE3300-DNA-A-3Y	3 Years
	IE3300-DNA-E-3Y	5 Years
	IE3300-DNA-A-5Y	
	IE3300-DNA-E-5Y	

Cisco Industrial Ethernet 3400 Series licenses

Table 30. A la carte part numbers for Cisco DNA Advantage and Cisco DNA Essentials for the Cisco Industrial Ethernet 3400 Series license

License type	Product ID	Description
A la carte part numbers	IE3400-DNA-A	IE3400 Series Cisco DNA Advantage
	IE3400-DNA-E	IE3400 Series Cisco DNA Essentials
	IE3400-DNA-A-3Y	3 Years
	IE3400-DNA-E-3Y	5 Years
	IE3400-DNA-A-5Y	
	IE3400-DNA-E-5Y	

Table 30 A. A la carte part numbers for Cisco DNA Advantage and Cisco DNA Essentials for the Cisco Industrial Ethernet 3400 Series license

License type	Product ID	Description
A la carte part numbers	IE3400H-DNA-A	IE3400H Series Cisco DNA Advantage
	IE3400H-DNA-E	IE3400H Series Cisco DNA Essentials
	IE3400H-DNA-A-3Y	IE 3400H DNA Advantage, 3 Year Term license
	IE3400H-DNA-A-5Y	IE 3400H DNA Advantage, 5 Year Term license
	IE3400H-DNA-E-3Y	IE 3400H DNA Essentials, 3 Year Term license
	IE3400H-DNA-E-5Y	IE 3400H DNA Essentials, 5 Year Term license

Cisco Industrial Ethernet 4000 Series licenses

Table 31. A la carte part numbers for Cisco DNA Advantage for the Cisco Industrial Ethernet 4000 Series licenses

License type	Product ID	Description
A la carte part numbers	IE4000-DNA-A-L (Greenfield)/	IE 4000 Cisco DNA Advantage (12 ports)
	IE4000-DNA-A-L=(Brownfield)	IE 4000 Cisco DNA Advantage (12 ports)
	IE4000-DNA-A-M (Greenfield) 24 ports/	IE 4000 Cisco DNA Advantage (24 ports)
	IE4000-DNA-A-M=(Brownfield) 24 port	IE 4000 Cisco DNA Advantage (24 ports)
	IE-4000-DNA-A-L-3Y	3 Years
	IE-4000-DNA-A-M-3Y	5 Years
	IE-4000-DNA-A-L-5Y	
	IE-4000-DNA-A-M-5Y	

Cisco Industrial Ethernet 4010 Series licenses

Table 32. A la carte part numbers for Cisco DNA Advantage for the Cisco Industrial Ethernet 4010 Series licenses

License type	Product ID	Description
A la carte part numbers	IE4010-DNA-A-H (Greenfield)/	IE 4010 Cisco DNA Advantage
	IE4010-DNA-A-H= (Brownfield)	3 Years
	IE4010-DNA-A-H-3Y	5 Years
	IE4010-DNA-A-H-5Y	

Cisco Industrial Ethernet 5000 Series licenses

Table 33. A la carte part numbers for Cisco DNA Advantage for the Cisco Industrial Ethernet 5000 Series licenses

License type	Product ID	Description
A la carte part numbers	IE5000-DNA-A-H (Greenfield)/	IE 5000 Cisco DNA Advantage
	IE5000-DNA-A-H= (Brownfield)	3 Years
	IE5000-DNA-A-H-3Y	5 Years
	IE5000-DNA-A-H-5Y	

Cisco ISR, ASR, and CSR Series licenses

Only ASR-1000-X, ASR-1000-HX, ASR1006, ASR1006-X, ASR1009-X, ISR 4461, ISR 4451, ISR 4431, ISR 4351, ISR 4331, ISR 4321, and CSR 1000v support Cisco SD-Access.

ISR and CSR require an AppX license or Cisco DNA licenses to be able to deploy Cisco SD-Access. Choose only hardware PIDs with the “-AX” suffix. ASR requires either AIS or Advanced Enterprise Services license to be able to deploy Cisco SD-Access.

No additional add-on licenses are required.

Contact your account team for additional ordering information such as Cisco DNA Premier packaging.

Cisco Enterprise Wireless licenses

Tables 34 and 35 list the product IDs for ordering Cisco DNA Advantage licenses for the Cisco wireless controllers and access points.

Table 34. A la carte part numbers for Cisco DNA Advantage for wireless controllers and access points

License type	Product ID	Description
A la carte part numbers	AIR-DNA (Greenfield/Brownfield)	Wireless Cisco DNA Advantage Term License, per AP
	AIR-DNA-A-3Y	Wireless Cisco DNA Advantage 3-year term license, per AP
	AIR-DNA-A-5Y	Wireless Cisco DNA Advantage 5-year term license, per AP
	AIR-DNA-A-7Y	Wireless Cisco DNA Advantage 7-year term license, per AP

Table 35. Cisco DNA Premier Software part numbers for Cisco DNA Advantage for wireless controllers and access points

License type	Product ID	Description
Cisco DNA Premier	C1-AIR-K9-T (Greenfield/Brownfield)	Cisco DNA Premier Term License, per AP
	C1A1TAIRK9-3Y	Cisco DNA Premier 3-year term license, per AP
	C1A1TAIRK9-5Y	Cisco DNA Premier 5-year term license, per AP
	C1A1TAIRK9-7Y	Cisco DNA Premier 7-year term license, per AP

Notes:

- Wireless Cisco DNA Advantage includes term-based AP license (Term-based AP licenses are included in Cisco DNA Essentials).
- Cisco DNA Premier for Wireless includes term-based Cisco DNA Advantage, AP license, Cisco Prime Infrastructure license, CMX Base, ISE Base, and ISE Plus. This bundle includes:
 - 15 ISE Base and ISE Plus sessions per access point
- Cisco SD-Access Embedded Wireless can be enabled on Cisco Catalyst 9300 series, Cisco Catalyst 9400 series, and Cisco Catalyst 9500 series switches with per AP Cisco DNA Premier/Cisco DNA Advantage license, in addition to license needed for the switch itself to work for Cisco SD-Access.

Promotional offers

Cisco recommends that you review all current offers and programs in the event that one or more may be applicable to your customer. These offers and programs vary based on regions, and include Cisco DNA Center Appliances, Cisco DNA Migration offers for customers owning specific perpetual licenses, Cisco DNA Upgrade offers for customers upgrading from a lower Cisco DNA tier to higher Cisco DNA tier, and so on. To review all current offers, please go to: <https://cs.co/enpromotions>.

Cisco Identity Services Engine (ISE) licenses

A la carte software licensing requires the purchase of both ISE Base and ISE Plus licenses separately. All ISE licensing is based on the number of endpoints to be supported in the network. For more information refer [Cisco Identity Services Engine Ordering Guide](#).

Cisco ISE Base session licensing

Table 36 shows the part numbers for perpetual ISE Base session licensing.

Table 36. Perpetual Cisco ISE Base session licenses

L-ISE-BSE-100=	Cisco ISE 100-session Base license
L-ISE-BSE-250=	Cisco ISE 250-session Base license
L-ISE-BSE-500=	Cisco ISE 500-session Base license
L-ISE-BSE-1K=	Cisco ISE 1000-session Base license
L-ISE-BSE-1500=	Cisco ISE 1500-session Base license
L-ISE-BSE-2500=	Cisco ISE 2500-session Base license
L-ISE-BSE-3500=	Cisco ISE 3500-session Base license
L-ISE-BSE-5K=	Cisco ISE 5000-session Base license
L-ISE-BSE-10K=	Cisco ISE 10,000-session Base license
L-ISE-BSE-25K=	Cisco ISE 25,000-session Base license
L-ISE-BSE-50K=	Cisco ISE 50,000-session Base license
L-ISE-BSE-100K=	Cisco ISE 100,000-session Base license
L-ISE-BSE-250K=	Cisco ISE 250,000-session Base license

ISE Plus session licensing

The ISE Plus session licensing can be purchased as a subscription and is available for 1-, 3-, and 5-year terms. Table 34 shows ordering details for the 1-year subscription, Table 38 shows details for the 3-year subscription, and Table 39 shows details for the 5-year subscription.

Table 37. Ordering details for the 1-year ISE Plus session subscription

Term license	Subscription term	Description
L-ISE-PLS-S-100=	ISE-PLS-1YR-100	Cisco ISE 1-Yr 100-session Plus license
L-ISE-PLS-S-250=	ISE-PLS-1YR-250	Cisco ISE 1-Yr 250-session Plus license
L-ISE-PLS-S-500=	ISE-PLS-1YR-500	Cisco ISE 1-Yr 500-session Plus license

Term license	Subscription term	Description
L-ISE-PLS-S-1K=	ISE-PLS-1YR-1K	Cisco ISE 1-Yr 1000-session Plus license
L-ISE-PLS-S-1500=	ISE-PLS-1YR-1500	Cisco ISE 1-Yr 1500-session Plus license
L-ISE-PLS-S-2500=	ISE-PLS-1YR-2500	Cisco ISE 1-Yr 2500-session Plus license
L-ISE-PLS-S-3500=	ISE-PLS-1YR-3500	Cisco ISE 1-Yr 3500-session Plus license
L-ISE-PLS-S-5K=	ISE-PLS-1YR-5K	Cisco ISE 1-Yr 5000-session Plus license
L-ISE-PLS-S-10K	ISE-PLS-1YR-10K	Cisco ISE 1-Yr 10,000-session Plus license
L-ISE-PLS-S-25K=	ISE-PLS-1YR-25K	Cisco ISE 1-Yr 25,000-session Plus license
L-ISE-PLS-S-50K=	ISE-PLS-1YR-50K	Cisco ISE 1-Yr 50,000-session Plus license
L-ISE-PLS-S-100K=	ISE-PLS-1YR-100K	Cisco ISE 1-Yr 100,000-session Plus license
L-ISE-PLS-S-250K=	ISE-PLS-1YR-250K	Cisco ISE 1-Yr 250,000-session Plus license

Table 38. Ordering details for the 3-year ISE Plus session subscription

Term license	Subscription term	Description
L-ISE-PLS-S-100=	ISE-PLS-3YR-100	Cisco ISE 3-Yr 100-session Plus license
L-ISE-PLS-S-250=	ISE-PLS-3YR-250	Cisco ISE 3-Yr 250-session Plus license
L-ISE-PLS-S-500=	ISE-PLS-3YR-500	Cisco ISE 3-Yr 500-session Plus license
L-ISE-PLS-S-1K=	ISE-PLS-3YR-1K	Cisco ISE 3-Yr 1000-session Plus license
L-ISE-PLS-S-1500=	ISE-PLS-3YR-1500	Cisco ISE 3-Yr 1500-session Plus license
L-ISE-PLS-S-2500=	ISE-PLS-3YR-2500	Cisco ISE 3-Yr 2500-session Plus license
L-ISE-PLS-S-3500=	ISE-PLS-3YR-3500	Cisco ISE 3-Yr 3500-session Plus license
L-ISE-PLS-S-5K=	ISE-PLS-3YR-5K	Cisco ISE 3-Yr 5000-session Plus license
L-ISE-PLS-S-10K=	ISE-PLS-3YR-10K	Cisco ISE 3-Yr 10,000-session Plus license
L-ISE-PLS-S-25K=	ISE-PLS-3YR-25K	Cisco ISE 3-Yr 25,000-session Plus license
L-ISE-PLS-S-50K=	ISE-PLS-3YR-50K	Cisco ISE 3-Yr 50,000-session Plus license
L-ISE-PLS-S-100K=	ISE-PLS-3YR-100K	Cisco ISE 3-Yr 100,000-session Plus license
L-ISE-PLS-S-250K=	ISE-PLS-3YR-250K	Cisco ISE 3-Yr 250,000-session Plus license

Table 39. Ordering details for the 5-year ISE Plus session subscription

Term license	Subscription term	Description
L-ISE-PLS-S-100=	ISE-PLS-5YR-100	Cisco ISE 5-Yr 100 Session Plus License
L-ISE-PLS-S-250=	ISE-PLS-5YR-250	Cisco ISE 5-Yr 250 Session Plus License
L-ISE-PLS-S-500=	ISE-PLS-5YR-500	Cisco ISE 5-Yr 500 Session Plus License
L-ISE-PLS-S-1K=	ISE-PLS-5YR-1K	Cisco ISE 5-Yr 1K Session Plus License
L-ISE-PLS-S-1500=	ISE-PLS-5YR-1500	Cisco ISE 5-Yr 1500 Session Plus License
L-ISE-PLS-S-2500=	ISE-PLS-5YR-2500	Cisco ISE 5-Yr 2500 Session Plus License
L-ISE-PLS-S-3500=	ISE-PLS-5YR-3500	Cisco ISE 5-Yr 3500 Session Plus License
L-ISE-PLS-S-5K=	ISE-PLS-5YR-5K	Cisco ISE 5-Yr 5K Session Plus License
L-ISE-PLS-S-10K	ISE-PLS-5YR-10K	Cisco ISE 5-Yr 10K Session Plus License
L-ISE-PLS-S-25K=	ISE-PLS-5YR-25K	Cisco ISE 5-Yr 25K Session Plus License
L-ISE-PLS-S-50K=	ISE-PLS-5YR-50K	Cisco ISE 5-Yr 50K Session Plus License
L-ISE-PLS-S-100K=	ISE-PLS-5YR-100K	Cisco ISE 5-Yr 100K Session Plus License
L-ISE-PLS-S-250K=	ISE-PLS-5YR-250K	Cisco ISE 5-Yr 250K Session Plus License

Cisco SD-Access appliances

Choose the appliance(s) below based on the solution requirements, as follows.

Cisco Identity Services Engine appliances

Cisco ISE provides the identity and access control policy functions for the Cisco SD-Access solution and is an integral part of the solution.

Cisco ISE supports both physical and virtual appliances. Cisco ISE physical appliances are based on the Cisco Secure Network Server, a Cisco UCS® C220 rack server configured specifically to support Cisco ISE. The Secure Network Server for Cisco ISE deployments is available in two versions:

- The Cisco Secure Network Server 3515 is designed for small and medium-sized deployments.
- The Cisco Secure Network Server 3595 is suitable for large deployments that require a highly reliable system, including redundant components such as hard disks, and power supplies.

Table 40. Cisco ISE support for Cisco SD-Access

Device role	Product family	Part number	Description
Fabric access policy engine	Cisco ISE (Identity Services Engine)	SNS-3515-K9	Small secure server for ISE applications
		SNS-3595-K9	Large secure server for ISE applications
		R-ISE-VMS-K9=	Cisco ISE Virtual Machine Small (eDelivery)
		R-ISE-VMM-K9=	Cisco ISE Virtual Machine Medium (eDelivery)
		R-ISE-VML-K9=	Cisco ISE Virtual Machine Large (eDelivery)

Cisco DNA Center appliances

Cisco DNA Center provides automation and assurance functions of the Cisco SD-Access solution.

Cisco DNA Center is only available as a physical appliance, suitable for small and medium-sized deployments.

Table 41. Cisco DNA Center support for Cisco SD-Access

Device role	Product family	Part number	Description
Fabric controller	Cisco DNA Center	DN2-HW-APL	Cisco DNA Center Appliance (Gen 2) 44-Core
		DN2-HW-APL-L	Cisco DNA Center Appliance (Gen 2) 56-Core
		DN2-HW-APL-XL	Cisco DNA Center Appliance (Gen 2) 112-Core
Fabric controller	Cisco DNA Center upgrade	DN2-HW-APL-U	Cisco DNA Center Appliance (Gen 2) 44-Core, available for customers that have previously purchased an APIC-EM physical appliance

The Cisco DNA Center appliance is available in a prebuilt form factor.

For more information on the Cisco DNA Center appliance, visit [here](#).

Professional and technical services

Cisco offers a wide range of services to help accelerate your success in deploying and optimizing the Cisco SD-Access solution in your enterprise network. The innovative Cisco Services offerings are delivered through a unique combination of people, processes, tools, and partners and are focused on helping you increase operational efficiency and optimize your network. With proven experience, methodology, and best practices, Cisco Services use an architecture-led approach to help you align software-defined networking with your business goals to achieve long-term value. Offering a comprehensive lifecycle of services – from advisory, implementation, optimization and technical services – you can move to a secure and automated unified network with ease and confidence.

Table 39 lists the available Cisco Services. Cisco Smart Net Total Care® Service helps you resolve mission-critical problems with direct access at any time to Cisco network experts and award-winning resources. With this service, you can take advantage of the Cisco Smart Call Home service capability, which offers proactive diagnostics and real-time alerts on your Cisco SD-Access deployment. Spanning the entire network lifecycle, Cisco Services offerings help increase investment protection, optimize network operations, support migration operations, and strengthen your IT expertise.

Table 42. Cisco SD-Access Advise and Implement Services

Product ID	Description
AS-DNA-SDA-CNSLT	Cisco DNA Advisory for Cisco SD-Access
AS-SEC-ADVIS	Segmentation Service
AS-DNA-SDA-CNSLT	Cisco DNA Center Advise and Implement
AS-DNA-SDA-CNSLT	Cisco SD-Access Design
AS-DNA-SDA-CNSLT	Cisco SD-Access Operations Planning
CON-AS-ISE	Security Implementation for ISE
CON-AS-SW	Security Implementation for Stealthwatch
AS-DNA-SDA-CNSLT	Cisco SD-Access Migration
AS-DNA-SDA-CNSLT	Network Migration Upgrade
AS-BN-T-CNSLT	Cisco SD-Access Solutions Validation
CON-AS-TEST-BN	Cisco SD-Access Solution Validation Optimization
CON-AS-BN, CON-AS-OSS-BN or CON-AS-SEC	Network Optimization for Cisco SD-Access

For more details on Cisco Services offerings, go to [Cisco DNA Services listing](#).

For more information

For more information about Cisco SD-Access, visit [here](#).

Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

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