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Cisco Catalyst Center (Formerly Cisco DNA Center) Gen 3 Appliance Ordering Guide
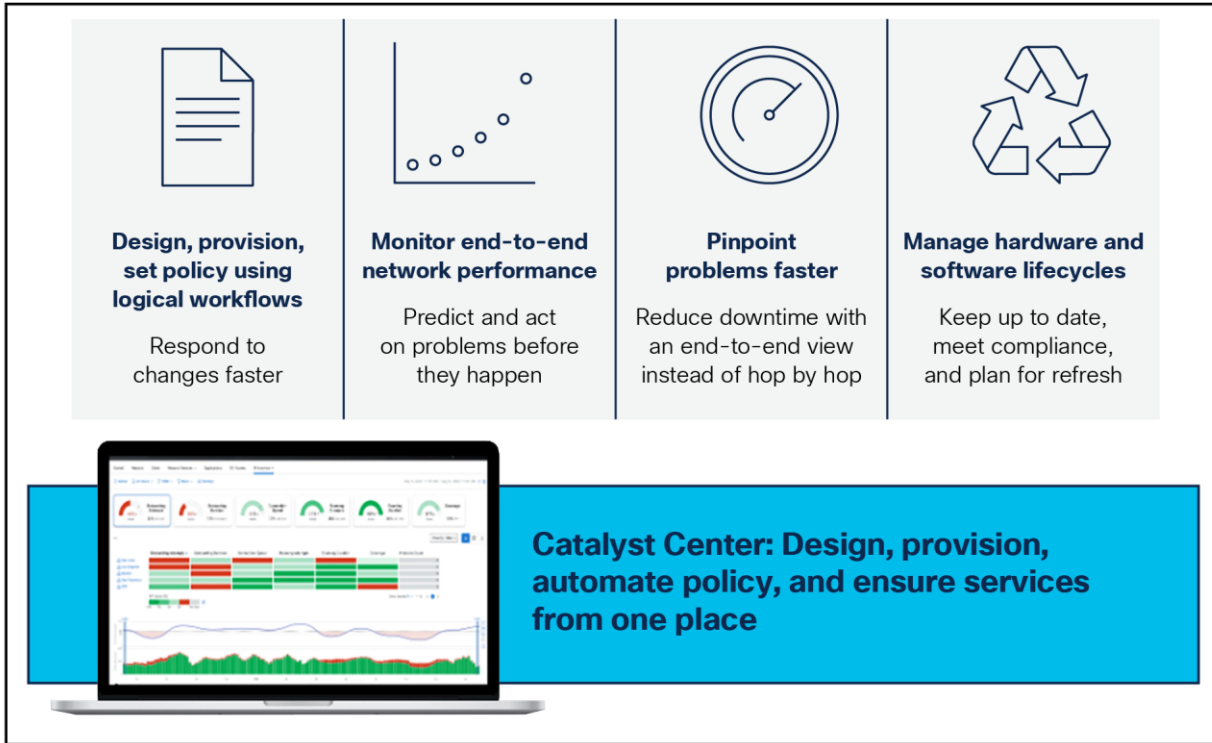
November 2023

Contents
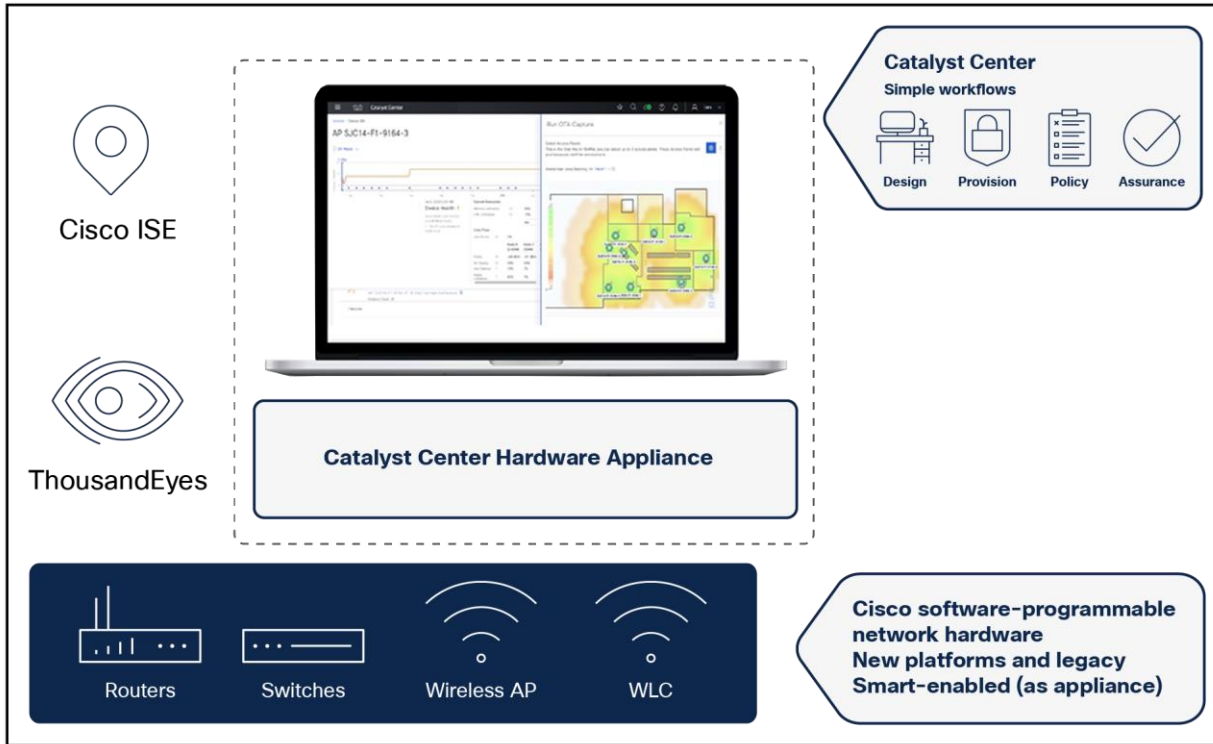
Simplified IT experiences

Scale at the speed of your business

Figure 1.
Catalyst Center simplified experiences

Solution components

Figure 2.
Catalyst Center solution components

DN3 Hardware appliance ordering

Catalyst Center appliance – scale and hardware specifications

Scale for DN3 appliances is the same as their DN2 counterpart. Please see the [Catalyst Center Data Sheet](#) for detailed scale information.

Table 1.   Catalyst Center gen 3 appliance hardware specification

DN3-HW-APL	DN3-HW-APL-L	DN3 – HW-APL-XL
• 32-core M6 • 5000 network devices ◦ 4000 APs ◦ 1000 switches and Routers • 25,000 endpoints (concurrent)	• 56-core M6 • 8000 network devices ◦ 6000 APs ◦ 2000 switches/routers • 40,000 endpoints (concurrent)	• 80-core M6 • 18000 network devices ◦ 13000 APs ◦ 5K switches and routers • 100,000 endpoints (concurrent)

Hardware specifications

Physical specifications	DN3-HW-APL and DN3-HW-L	DN3-HW-APL-XL
Hardware series	UCS C220 M6 ([data sheet](#))	UCS C240 M6 ([data sheet](#))
Form factor	1RU	2RU
Power supply	2 hot-pluggable, redundant 2300W Titanium certified AC	2 hot-pluggable, redundant 2300W Titanium certified AC
Physical dimensions	Height: 1.70 in. (4.3 cm) Width: 16.9 in. (42.9 cm) Depth: 18.9 in. (48.0 cm)	Height: 3.42 in. (8.7 cm) Width: 16.9 in. (42.9 cm) Depth: 18.9 in. (48.0 cm)
Operating temperature	Dry bulb temperature of 10°C to 35°C (50°F to 95°F)	Dry bulb temperature of 10°C to 35°C (50°F to 95°F)
Non-operating temperature	Dry bulb temperature of -40°C to 65°C (-40°F to 149°F)	Dry bulb temperature of -40°C to 65°C (-40°F to 149°F)
Operating humidity	10% to 90% and 28°C (82.4°F) maximum dew-point temperature, non-condensing environment	10% to 90% and 28°C (82.4°F) maximum dew-point temperature, non-condensing environment
Non-operating humidity	5% to 93% relative humidity, non-condensing, with a maximum wet bulb temperature of 28°C across the 20°C to 40°C dry bulb range.	5% to 93% relative humidity, non-condensing, with a maximum wet bulb temperature of 28°C across the 20°C to 40°C dry bulb range.
Operating altitude	A maximum elevation of 3050 meters (10,006 ft)	A maximum elevation of 3050 meters (10,006 ft)
Non-operating altitude	An elevation of 0 to 12,000 meters (39,370 ft)	An elevation of 0 to 12,000 meters (39,370 ft)
Network and management I/O	Supported connectors: • One 1 Gigabit Ethernet dedicated management port • Two 1/10 Gigabit BASE-T Ethernet LAN ports • One RS-232 serial port (RJ-45 connector) • One 15-pin VGA2 connector • Two USB 3.0 connectors • One front-panel KVM connector that is used with a KVM cable, which provides two USB 2.0s, one VGA, and one serial (DB-9) connector	Supported connectors: • One 1 Gigabit Ethernet dedicated management port • Two 1/10 Gigabit BASE-T Ethernet LAN ports • One RS-232 serial port (RJ-45 connector) • One 15-pin VGA2 connector • Three USB 3.0 connectors • One front-panel KVM connector that is used with a KVM cable, which provides two USB 2.0s, one VGA, and one serial (DB-9) connector

Regulatory compliance

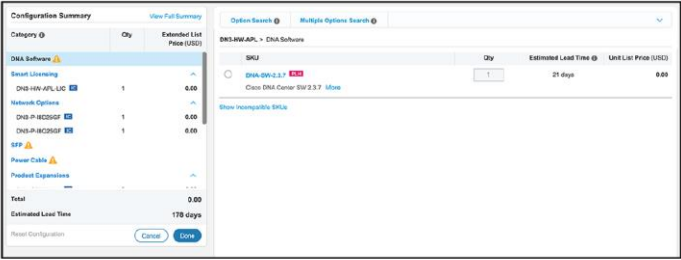| Parameter	Description
Regulatory compliance	Products should comply with CE Markings per directives 2014/30/EU and 2014/35/EU
Safety	UL 60950-1 Second Edition CAN/CSA-C22.2 No. 60950-1 Second Edition EN 60950-1 Second Edition IEC 60950-1 Second Edition AS/NZS 60950-1 GB4943 2001
EMC - Emissions	47CFR Part 15 (CFR 47) Class A AS/NZS CISPR32 Class A CISPR32 Class A EN55032 Class A ICES003 Class A VCCI Class A EN61000-3-2 EN61000-3-3 KN32 Class A CNS13438 Class A
EMC – Immunity	EN55024 CISPR24 EN300386 KN35

Ordering

Ordering the DN3

1. Select a top-level SKU
   - DN3-HW-APL
   - DN3-HW-APL-L
   - DN3-HW-APL-XL

In the Configuration Summary panel:

1. Select software version (example: DNA-SW-2.3.7)
2. Select at least two Small Form-factor Pluggables (SFPs)
3. Select at least two power cables
4. Modify the services term to match the Catalyst Center order

Figure 3.
Ordering the DN3

Catalyst Center appliance license

- One of the Catalyst Center Appliance licenses listed below is deposited into the customer's Cisco® Smart Account by default when purchasing a new Catalyst Center Appliance.

- The Catalyst Center Appliance needs to be registered with the respective Smart Account/Virtual Account to consume this Catalyst Center Appliance license. Refer to the [Catalyst Center Administrator Guides](#) for more information.

Catalyst Center appliance licenses

Table 2.   Catalyst Center appliance licenses

License SKU	Description
DN3-HW-APL-LIC	Catalyst Center Gen3 Regular (32 Core) Appliance License
DN3-HW-APL-L-LIC	Catalyst Center Gen3 Large (56 Core) Appliance License
DN3-HW-APL-XL-LIC	Catalyst Center Gen3 XL (80 Core) Appliance License

Catalyst Center appliance registration

After Catalyst Center has been installed, log in, then click the menu icon and choose System > Settings > Cisco Accounts > Smart Account. Add the Smart Account credentials.

See the Administrator Guide for more details.
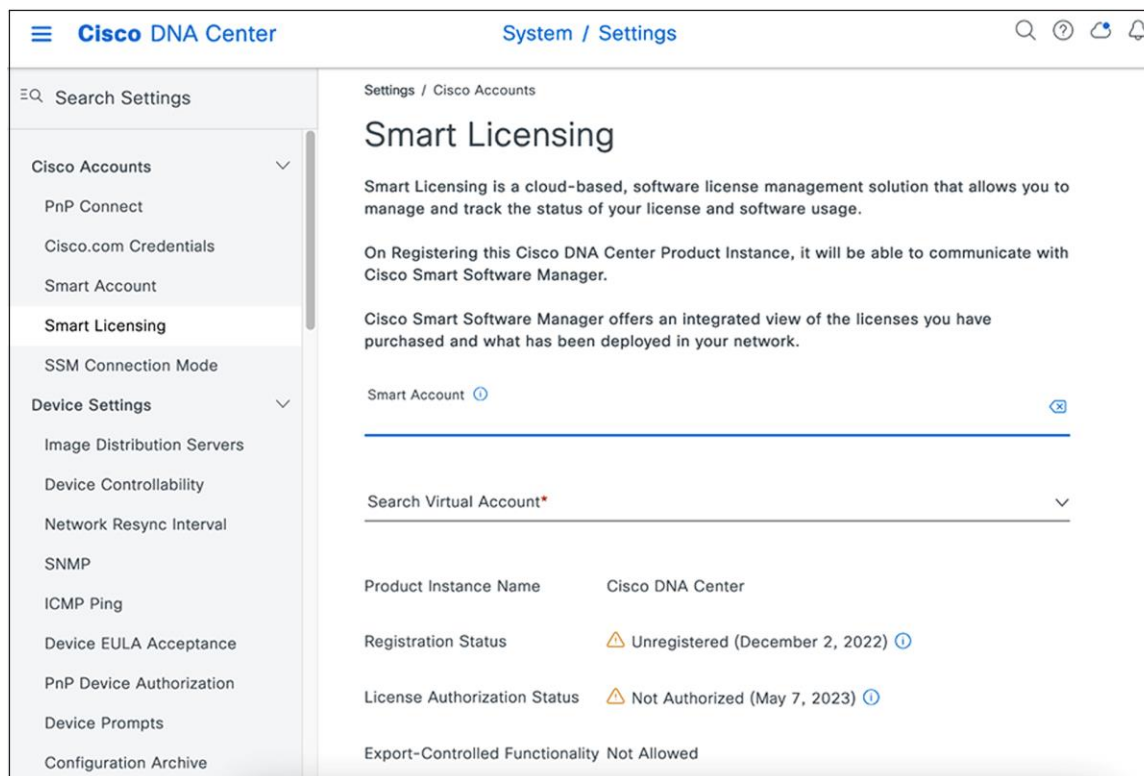
Figure 4.
Administrator Guide

Quick links

- SD-Access ordering guide: [Click here](#)

- Routing and SD-WAN ordering guide: [Click here](#)

- Wireless access points ordering guide: [Click here](#)

- Cisco ISE ordering guide: [Click here](#)