

CISCO · CATALYST 9300 SWITCHES

# C9300-48UN-A

48x 5G Multigigabit UPOE Ports · Modular Uplink · 645W PoE Budget

New, factory-sealed · 3-year LSCare warranty · Ships from Hong Kong and US stock



|               |                                                                                     |
|---------------|-------------------------------------------------------------------------------------|
| Product Model | C9300-48UN-A                                                                        |
| Category      | Catalyst 9300 Switches                                                              |
| Condition     | New, factory-sealed                                                                 |
| Warranty      | 3-year LSCare warranty                                                              |
| Supplier      | Layer23-Switch · <a href="http://www.layer23-switch.com">www.layer23-switch.com</a> |



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The C9300-48UN-A is a Cisco Catalyst 9300 Series stackable access switch for wiring closets that serve high-speed wireless access points and multigigabit endpoints over Cisco UPOE. The switch has 48 5G multigigabit UPOE ports, a modular uplink slot, a 645W default PoE budget and 640 Gbps of switching capacity.

New, factory-sealed · [3-year LSCare warranty](#) · [14-day returns](#) · [Cisco SN check before shipment](#)

**Ordering note** C9300-48UN-A is ordered with a mandatory 3-year Cisco DNA Advantage subscription (C9300-DNA-A). We include it in your quote.

## Specifications

|                                              |                                                                                               |                            |                                                                                   |
|----------------------------------------------|-----------------------------------------------------------------------------------------------|----------------------------|-----------------------------------------------------------------------------------|
| Product ID                                   | C9300-48UN-A                                                                                  | Network license            | Network Advantage                                                                 |
| Port layout                                  | 48x 5G Multigigabit (5G/2.5G/1G/100M) UPOE copper                                             | PoE type                   | Cisco UPOE, 60W maximum per port                                                  |
| Default power supply                         | PWR-C1-1100WAC-P (1100W AC)                                                                   | Default PoE budget         | 645W with single default supply (Cisco datasheet Table 4)                         |
| Maximum PoE budget                           | Up to 2545W with added 1900W second supply; 1445W-2880W after primary supply upgrade to 1900W | Power supply slots         | 2 internal bays, dual redundant supported, ships with 1 supply and a blank module |
| Switching capacity                           | 640 Gbps standalone, 1,120 Gbps stacked                                                       | Forwarding rate            | 476.19 Mpps standalone, 833.33 Mpps stacked                                       |
| MAC addresses                                | 32,000 entries                                                                                | VLAN IDs                   | 4094                                                                              |
| IPv4 routes                                  | 32,000 (24,000 direct + 8,000 indirect)                                                       | IPv6 routes                | 16,000                                                                            |
| SVI total                                    | 1000                                                                                          | Jumbo frames               | 9198 bytes                                                                        |
| Stacking                                     | StackWise-480, up to 8 members                                                                | StackPower                 | Supported for shared power redundancy across stack members                        |
| Uplinks                                      | Modular uplink network module slot (no module included by default)                            | Compatible network modules | C9300-NM-4G, C9300-NM-4M, C9300-NM-8X, C9300-NM-2Q, C9300-NM-2Y                   |
| Management interfaces                        | 10/100/1000 Ethernet management port, RJ-45 console port, USB mini-Type B console port        | Copper port connectors     | RJ-45, 4-pair Cat 5E UTP (1000BASE-T) or Cat 5E/6/6A UTP (Multigigabit-T)         |
| Fan modules                                  | 3 field-replaceable fans, N+1 redundant, FAN-T2= spare, MTBF 4,521,330 hours                  | MTBF (chassis)             | 198,647 hours                                                                     |
| Peak power draw (100% PoE, with C9300-NM-8X) | 875.1W at 115Vac (standard and Platinum supply tests consistent)                              | Minimum software release   | Cisco IOS XE Fuji 16.8.1a or later                                                |
| Operating temperature                        | -5 to 45°C at or below 1500 m; up to 40°C at 3000 m                                           | Storage temperature        | -40 to 70°C                                                                       |
| Operating humidity                           | 5 percent to 90 percent, non-condensing                                                       | Operating altitude         | Up to 10,000 ft (3000 m) at up to 45°C                                            |

|                     |                                                                                                                      |                          |                                                                                            |
|---------------------|----------------------------------------------------------------------------------------------------------------------|--------------------------|--------------------------------------------------------------------------------------------|
| Acoustic noise      | 45 dB LpA typical / 48 dB LpA max with 24 PoE+ ports at full load, AC power (family-level measurement)               | Dimensions               | 1.73 x 17.5 x 19.1 in chassis only; 1.73 x 17.5 x 22.2 in with default power supply        |
| Weight              | 9.09 kg (20.05 lb)                                                                                                   | Safety certifications    | UL 60950-1, CAN/CSA-C22.2 No. 60950-1, EN 60950-1, IEC 60950-1, AS/NZS 60950.1, IEEE 802.3 |
| EMC certifications  | 47 CFR Part 15, EN 300 386, EN 55032 Class A, CISPR 32 Class A, ICES-003 Class A, and related regional EMC standards | Environmental compliance | RoHS 5                                                                                     |
| Multigigabit duplex | Full duplex only, half duplex not supported                                                                          |                          |                                                                                            |

## Optional Add-ons

| Add-on             | Cisco PID        | Purpose                                                                  |
|--------------------|------------------|--------------------------------------------------------------------------|
| Network Module     | C9300-NM-2Y      | 2x25G/10G/1G SFP28 Ports - Catalyst 9300 Module                          |
| Network Module     | C9300-NM-2Q      | 2x40G QSFP+ Uplinks - Catalyst 9300 Module                               |
| Network Module     | C9300-NM-4G      | 4x1GE SFP Ports - Catalyst 9300 Module                                   |
| Network Module     | C9300-NM-4M      | 4x10G/mGig Copper Ports - Catalyst 9300 Module                           |
| Network Module     | C9300-NM-8X      | 8x10G/1G SFP+ Uplinks - Network Module - Catalyst 9300                   |
| Power Supply / Fan | PWR-C1-1100WAC-P | 1100W AC PSU - Catalyst 9300 C1 - Platinum Rated                         |
| Power Supply / Fan | PWR-C1-1900WAC-P | 1900W AC PSU - Catalyst 9300 C1 - Platinum Rated                         |
| Optics             | SFP-10G-SR-S     | 10GBASE-SR SFP+ - S-Class - 400m OM4 MMF                                 |
| Optics             | SFP-10G-SR       | 10GBASE-SR SFP+ - 850nm MMF - 400m OM4                                   |
| Optics             | SFP-10G-LR-S     | 10GBASE-LR SFP+ - S-Class - 10km SMF                                     |
| Optics             | SFP-10G-LR       | 10GBASE-LR SFP+ - 1310nm SMF - 10km Reach                                |
| Optics             | SFP-25G-SR-S     | 25GBASE-SR SFP28 - 850nm MMF - 100m OM4                                  |
| Optics             | SFP-10/25G-LR-S  | 10/25GBASE-LR SFP28 - 10 km G.652 SMF - 0 to 70°C Commercial Temperature |
| Optics             | QSFP-40G-SR4     | 40G SR4 QSFP - MPO-12 MMF - 4x10G Breakout                               |
| Optics             | GLC-LH-SMD       | 1000BASE-LX/LH SFP - 10km SMF / 550m MMF - DOM                           |
| Optics             | GLC-TE           | 1000BASE-T SFP - RJ-45 Cat5 Copper - 100m Reach                          |

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Address 2810 North Church Street, Suite 89727, Wilmington, DE 19802, USA

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