



System Specifications

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Environmental Specifications

| Environment | | Specification |
|-------------------|-------------------------------|--------------------------------------|
| Temperature | Ambient operating temperature | 32 to 104°F (0 to 40°C) |
| | Ambient nonoperating | –40 to 158°F (–40 to 70°C) |
| Relative humidity | Nonoperating | 5 to 85% |
| Altitude | Operating | 0 to 13,123 feet (0 to 4,000 meters) |

Switch Dimensions

| Switch | Width | Depth | Height |
|--------------------|-----------------------|-----------------------|----------------------------|
| Cisco Nexus 9396TX | 17.5 inches (44.5 cm) | 22.5 inches (57.1 cm) | 3.5 inches (8.9 cm) (2 RU) |

Switch and Module Weights and Quantities

| Component | Weight per Unit | Quantity |
|---|--------------------|---|
| Cisco Nexus 9396TX Chassis (N9K-C9396TX) | 22.45 lb (10.2 kg) | 1 |
| Uplink Module | — | 1 |
| – M6PQ and M6PQ-E | 2.0 lb (0.9 kg) | |
| – M12PQ | 3.12 lb (1.4 kg) | |
| Fan Modules | — | 3 (2 for operations and 1 for redundancy) |
| – Port-side exhaust (blue) (N9K-C9300-FAN2-B) | 1.14 lb (0.5 kg) | |
| – Port-side intake (burgundy) (N9K-C9300-FAN2) | 1.14 lb (0.5 kg) | |
| Power Supply module | — | 2 (1 for operations and 1 for redundancy) |
| – 650-W AC port-side exhaust (blue) (N9K-PAC-650W-B) | 2.42 lb (1.1 kg) | |
| – 650-W AC port-side intake (burgundy) (N9K-PAC-650W) | 2.42 lb (1.1 kg) | |
| – 930-W DC port-side exhaust (gray) (UCS-PSU-6332-DC) | 2.42 lb (1.1 kg) | |
| – 930-W DC port-side intake (green) (UCSC-PSU-930WDC) | 2.42 lb (1.1 kg) | |

Transceiver and Cable Specifications

To determine which transceivers, adapters, and cables are supported by this switch, see <https://www.cisco.com/c/en/us/support/interfaces-modules/transceiver-modules/products-device-support-tables-list.html>.

To see the transceiver specifications and installation information, see <https://www.cisco.com/c/en/us/support/interfaces-modules/transceiver-modules/products-device-support-tables-list.html>.

Switch Power Input Requirements

The following table lists the typical amount of power that the switch consumes. It also lists the maximum amount of power that you must provision for the switch and power supply for peak conditions.



Note Some power supplies have UL listed capabilities that are greater than the maximum power requirements for a switch. To determine the power consumption characteristics for the switch, use the typical and maximum requirements that are listed in the following table.

| Switch | Typical Power Consumption (AC or DC) | Maximum Power Consumption (AC or DC) | Heat Dissipation Requirement |
|--------------------|--------------------------------------|--------------------------------------|------------------------------|
| Cisco Nexus 9396TX | 427 W | 712 W | 2429.444 BTUs per hour |

Power Specifications

Power specifications include the specifications for each type of power supply module.

650-W AC Power Supply Specifications

These specifications apply to the following power supplies:

- N9K-PAC-650W
- N9K-PAC-650W-B

| Characteristic | Specification |
|---------------------------------------|---|
| AC input voltage | Nominal range: 100 and 240 VAC (Range: 90-132 VAC, 180-264 VAC) |
| AC input frequency | Nominal range: 50 to 60 Hz (Range: 47-63 Hz) |
| Maximum AC input current | 7.6 A at 100 VAC 3.65 A at 208 VAC |
| Maximum input volt-amperes | 760 A at 100 VAC |
| Maximum output power per power supply | 650 W |
| Maximum inrush current | 33 A (sub-cycle duration) |
| Maximum hold-up time | 12 ms at 650 W |
| Power supply output voltage | 12 VDC |
| Power supply standby voltage | 12 VDC |
| Efficiency rating | Climate Savers Platinum Efficiency (80Plus Platinum certified) |
| Form factor | RSP1 |

930-W DC Power Supply (Port-Side Intake) Specifications

These specifications apply to the 930-W DC (UCSC-PSU-930WDC) port-side intake power supplies.

| Characteristic | Specification |
|---------------------------------------|---|
| DC input voltage range | Nominal range: -48 to -60 VDC nominal (Range: -40 to -60 VDC) |
| Maximum DC input current | 23 A at -48 VDC |
| Maximum input W | 1104 W |
| Maximum output power per power supply | 930 W |
| Maximum inrush current | 35 A (sub-cycle duration) |
| Maximum hold-up time | 8 ms at 930 W |
| Power supply output voltage | 12 VDC |
| Power supply standby voltage | 12 VDC |
| Efficiency rating | Greater than 92% at 50% load |
| Form factor | RSP1 |

930-W DC Power Supply (Port-Side Exhaust) Specifications

These specifications apply to the 930-W DC (UCS-PSU-6332-DC) power supplies.

| Characteristic | Specification |
|---------------------------------------|--|
| Maximum DC input current | 23 A at -48 VDC |
| Maximum input W | 1104 W |
| Maximum output power per power supply | 930 W |
| Maximum inrush current | 35 A at +35° Celcius |
| Maximum hold-up time | 8 ms at 50 % load |
| Power supply output voltage | 12 VDC |
| Power supply standby voltage | 12 VDC |
| Efficiency rating | Climate Savers Platinum Efficiency (80Plus Platinum certified) |
| Form factor | 1U |

Power Cable Specifications

The following sections specify the power cables that you can order and use with this switch.

Power Cable Specifications for AC Power Supplies

| Locale | Power Cord Part Number | Cord Set Description |
|---------------------------|------------------------|--|
| | CAB-C13-C14-2M | Power Cord Jumper, C13-C14 Connectors, 6.6 feet (2.0 m) |
| | CAB-C13-C14-AC | Power cord, C13 to C14 (recessed receptacle), 10 A, 9.8 feet (3 m) |
| | CAB-C13-CBN | Cabinet jumper power cord, 250 VAC, 10 A, C14-C13 connectors, 2.3 feet (0.7 m) |
| Argentina | CAB-250V-10A-AR | 250 V, 10 A, 8.2 feet (2.5 m) |
| Australia | CAB-9K10A-AU | 250 VAC, 10 A, 3112 plug, 8.2 feet (2.5 m) |
| Brazil | CAB-250V-10A-BR | 250 V, 10 A, 6.9 feet (2.1 m) |
| European Union | CAB-9K10A-EU | 250 VAC, 10 A, CEE 7/7 plug, 8.2 feet (2.5 m) |
| India | CAB-IND-10A | 10 A, 8.2 feet (2.5 m) |
| Israel | CAB-250V-10A-IS | 250 V, 10 A, 8.2 feet (2.5 m) |
| Italy | CAB-9K10A-IT | 250 VAC, 10 A, CEI 23-16/VII plug, 8.2 feet (2.5 m) |
| North America | CAB-9K12A-NA | 125 VAC, 13 A, NEMA 5-15 plug, 8.2 feet (2.5 m) |
| North America | CAB-AC-L620-C13 | NEMA L6-20-C13, 6.6 feet (2.0 m) |
| North America | CAB-N5K6A-NA | 200/240V, 6A, 8.2 feet (2.5 m) |
| Peoples Republic of China | CAB-250V-10A-CN | 250 V, 10 A, 8.2 feet (2.5 m) |
| South Africa | CAB-250V-10A-ID | 250 V, 10 A, 8.2 feet (2.5 m) |
| Switzerland | CAB-9K10A-SW | 250 VAC, 10 A, MP232 plug, 8.2 feet (2.5 m) |
| United Kingdom | CAB-9K10A-UK | 250 VAC, 10 A, BS1363 plug (13 A fuse), 8.2 (2.5 m) |

| Locale | Power Cord Part Number | Cord Set Description |
|---|------------------------|------------------------------------|
| All except Argentina, Brazil, and Japan | NO-POWER-CORD | No power cord included with switch |

DC Power Cable Specifications

| Power Supply | Power Cord | Cord Set Description |
|---|---------------------|---|
| UCSC-PSU-930WDC (port-side intake airflow) | (customer supplied) | 8 AWG insulated cable (10 AWG minimum) for each power supply |
| UCS-PSU-6332-DC (port-side exhaust airflow) | CAB-48DC-40A-8AWG | 8-AWG cable with 3-pin keyed power supply connector and three wires (power source connection) |
| All except Argentina, Brazil, and Japan | NO-POWER-CORD | No power cord included with switch |

Regulatory Standards Compliance Specifications

The following table lists the regulatory standards compliance for the switch.

Table 1: Regulatory Standards Compliance: Safety and EMC

| Specification | Description |
|-----------------------|--|
| Regulatory compliance | Products should comply with CE Markings according to directives 2004/108/EC and 2006/95/EC. |
| Safety | <ul style="list-style-type: none"> • 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 |

| Specification | Description |
|----------------|--|
| EMC: Emissions | <ul style="list-style-type: none">• 47CFR Part 15 (CFR 47) Class A• AS/NZS CISPR22 Class A• CISPR22 Class A• EN55022 Class A• ICES003 Class A• VCCI Class A• EN61000-3-2• EN61000-3-3• KN22 Class A• CNS13438 Class A |
| EMC: Immunity | <ul style="list-style-type: none">• EN55024• CISPR24• EN300386• KN 61000-4 series |
| RoHS | The product is RoH-6 compliant with exceptions for leaded-ball grid-array (BGA) balls and lead press-fit connectors. |

