



## Technical Specifications

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## Physical Specifications

Physical Dimensions for Cisco Catalyst 1000 Series Switches	
Weight	<ul style="list-style-type: none"> <li>• 5.79 lbs (2.63 kg) (C1000-24T-4G-L)</li> <li>• 7.78 lbs (3.53 kg) (C1000-24P-4G-L)</li> <li>• 10.14 lbs (4.6 kg) (C1000-24FP-4G-L)</li> <li>• 8.70 lbs (3.95 kg) (C1000-48T-4G-L)</li> <li>• 11.97 lbs (5.43 kg) (C1000-48P-4G-L)</li> <li>• 12.83 lbs (5.82 kg) (C1000-48FP-4G-L)</li> <li>• 6.12 lbs (2.78 kg) (C1000-24T-4X-L)</li> <li>• 8.11 lbs (3.68 kg) (C1000-24P-4X-L)</li> <li>• 10.14 lbs (4.6 kg) (C1000-24FP-4X-L)</li> <li>• 8.70 lbs (3.95 kg) (C1000-48T-4X-L)</li> <li>• 11.97 lbs (5.43 kg) (C1000-48P-4X-L)</li> <li>• 12.83 lbs (5.82 kg) (C1000-48FP-4X-L)</li> </ul>

Dimensions (W x D x H)	<ul style="list-style-type: none"> <li>• 17.48 x 9.45 x 1.73 in (C1000-24T-4G-L)</li> <li>• 17.48 x 11.76 x 1.73 in (C1000-24P-4G-L)</li> <li>• 17.48 x 13.59 x 1.73 in (C1000-24FP-4G-L)</li> <li>• 17.48 x 11.34 x 1.73 in (C1000-48T-4G-L)</li> <li>• 17.48 x 13.78 x 1.73 in (C1000-48P-4G-L)</li> <li>• 17.48 x 13.78 x 1.73 in (C1000-48FP-4G-L)</li> <li>• 17.48 x 9.45 x 1.73 in (C1000-24T-4X-L)</li> <li>• 17.48 x 11.76 x 1.73 in (C1000-24P-4X-L)</li> <li>• 17.48 x 13.59 x 1.73 in (C1000-24FP-4X-L)</li> <li>• 17.48 x 11.34 x 1.73 in (C1000-48T-4X-L)</li> <li>• 17.48 x 13.78 x 1.73 in (C1000-48P-4X-L)</li> <li>• 17.48 x 13.78 x 1.73 in (C1000-48FP-4X-L)</li> </ul>
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Physical Dimensions for Cisco Catalyst 1000 Series Fast Ethernet Switches	
Weight	<ul style="list-style-type: none"> <li>• 7.85 lbs (3.56 kg) (C1000FE-24T-4G-L)</li> <li>• 9.96 lbs (4.52 kg) (C1000FE-24P-4G-L)</li> <li>• 8.75 lbs (3.97 kg) (C1000FE-48T-4G-L)</li> <li>• 12.03 lbs (5.46 kg) (C1000FE-48P-4G-L)</li> </ul>
Dimensions (W x D x H)	<ul style="list-style-type: none"> <li>• 17.32 x 11.34 x 1.73 in (C1000FE-24T-4G-L)</li> <li>• 17.48 x 13.78 x 1.73 in (C1000FE-24P-4G-L)</li> <li>• 17.32 x 11.34 x 1.73 in (C1000FE-48T-4G-L)</li> <li>• 17.48 x 13.78 x 1.73 in (C1000FE-48P-4G-L)</li> </ul>

## Environmental Specifications

Environmental Ranges	
Operating temperature <a href="#">1</a>	23 to 122°F (-5 to 50°C) up to 5,000 ft (1524 m)
Storage temperature	-13° to 158°F (-25° to 70°C) up to 15,000 ft (4572 m)
Operating relative humidity	5% to 90% (noncondensing)

Environmental Ranges	
Storage relative humidity	5% to 95% (noncondensing)
Storage altitude	Up to 15,000 ft (4572 m)

<sup>1</sup> Minimum ambient temperature for cold start is 32°F (0°C)



**Note** When using C1000-24T-4X-L and C1000-24P-4X-L switches with SFP-10G-ER or SFP-10G-ER-S SFP+ module, the thermal limitations are as follows:

- Up to 5,000 ft (1524 m), the operating temperature should not exceed 113°F (45°C).
- Up to 10,000 ft (3048 m), the operating temperature should not exceed 104°F (40°C).

When using C1000-24T-4G-L and C1000-24P-4G-L switches with GLC-BX-U or GLC-BX-D SFP module, the thermal limitations are as follows:

- Up to 5,000 ft (1524 m), the operating temperature should not exceed 113°F (45°C).
- Up to 10,000 ft (3048 m), the operating temperature should not exceed 104°F (40°C).

## Power Requirements

*Table 1: Power Requirements for Cisco Catalyst 1000 24-Port and 48-Port Switch Models*

Switch Model	Voltage (auto ranging)	Frequency	Current	Power Rating (maximum consumption)
C1000-24T-4G-L	100 to 240V AC in	50 to 60 Hz	0.29A to 0.47A	0.08 kVA
C1000-24T-4X-L	100 to 240V AC in	50 to 60 Hz	0.29A to 0.51A	0.08 kVA
C1000-24P-4G-L	100 to 240V AC in	50 to 60 Hz	1.316A to 2.314A	0.45 kVA
C1000-24P-4X-L	100 to 240V AC in	50 to 60 Hz	1.316A to 2.314A	0.45 kVA
C1000-24FP-4G-L	100 to 240V AC in	50 to 60 Hz	2.07A to 4.25A	0.8 kVA
C1000-24FP-4X-L	100 to 240V AC in	50 to 60 Hz	2.07A to 4.25A	0.8 kVA
C1000-48T-4G-L	100 to 240V AC in	50 to 60 Hz	0.74A to 1.29A	0.06 kVA
C1000-48T-4X-L	100 to 240V AC in	50 to 60 Hz	0.74A to 1.29A	0.06 kVA
C1000-48P-4G-L	100 to 240V AC in	50 to 60 Hz	0.42A to 0.74A	0.5 kVA
C1000-48P-4X-L	100 to 240V AC in	50 to 60 Hz	0.42A to 0.74A	0.5 kVA
C1000-48FP-4G-L	100 to 240V AC in	50 to 60 Hz	0.45A to 0.94A	0.95 kVA

Switch Model	Voltage (auto ranging)	Frequency	Current	Power Rating (maximum consumption)
C1000-48FP-4X-L	100 to 240V AC in	50 to 60 Hz	0.45A to 0.94A	0.95 kVA

*Table 2: Power Requirements for Cisco Catalyst 1000 24-Port and 48-Port Fast Ethernet Switch Models*

Switch Model	Voltage (auto ranging)	Frequency	Current	Power Rating (maximum consumption)
C1000FE-24T-4G-L	100 to 240V AC in	50 to 60 Hz	0.12A to 0.34A	0.02 kVA
C1000FE-24P-4G-L	100 to 240V AC in	50 to 60 Hz	0.23A to 0.35A	0.25 kVA
C1000FE-48T-4G-L	100 to 240V AC in	50 to 60 Hz	0.24A to 0.69A	0.03 kVA
C1000FE-48P-4G-L	100 to 240V AC in	50 to 60 Hz	0.26A to 0.46A	0.46 kVA

## PoE Power Consumption

*Table 3: PoE Power Consumption for Cisco Catalyst 1000 24-Port and 48-Port Switch Models*

Switch Model	Consumption without PoE (Watts)	Consumption with PoE (Watts)	Available PoE	Maximum Power Wattage for BTU/hr
C1000-24T-4G-L	22.8	-	-	25.9
C1000-24T-4X-L	25.68	-	-	29.1
C1000-24P-4G-L	23.16	218.16	195	54.2
C1000-24P-4X-L	25.68	220.68	195	57.9
C1000-24FP-4G-L	35.4	405.4	370	94
C1000-24FP-4X-L	36	406	370	94.5
C1000-48T-4G-L	53.66	-	-	64.83
C1000-48T-4X-L	54.73	-	-	65.20
C1000-48P-4G-L	54.25	434.01	370	500.4
C1000-48P-4X-L	54.49	435.09	370	500.3
C1000-48FP-4G-L	61.66	809.66	740	955.67
C1000-48FP-4X-L	62.26	810.73	740	957.53

**Table 4: PoE Power Consumption for Cisco Catalyst 1000 24-Port and 48-Port Fast Ethernet Switch Models**

<b>Switch Model</b>	<b>Consumption without PoE (Watts)</b>	<b>Consumption with PoE (Watts)</b>	<b>Available PoE</b>	<b>Maximum Power Wattage for BTU/hr</b>
C1000FE-24T-4G-L	19.79	-	-	19.79
C1000FE-24P-4G-L	35.05	248.52	195	248.52
C1000FE-48T-4G-L	34.96	-	-	34.96
C1000FE-48P-4G-L	48.09	464.57	370	464.57

