



Module Specifications

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10/100/1000 Ethernet Module Specifications

C6800-48P-TX and C6800-48P-TX-XL Specifications

The following table lists the physical specifications of the modules:

Table 1: C6800-48P-TX and C6800-48P-TX-XL Physical Specifications

Item	Specification
Dimensions (H x W x D)	1.2 x 14.4 x 16 in. (3.0 x 35.6 x 40.6 cm). Occupies one slot in the chassis.
Weight	C6800-48P-TX—8.24 lb (3.74 kg) C6800-48P-TX-XL—8.06 lb (3.66 kg)

The following table lists the environmental specifications of the modules:

Table 2: C6800-48P-TX and C6800-48P-TX-XL Environmental Specifications

Item	Specification
Operating temperature	Certified for operation: 32° to 104°F (0° to 40°C) Designed and tested for operation: 32° to 130°F (0° to 55°C)

Item	Specification
Humidity (RH) ambient (noncondensing)	10 to 90 percent
Operating altitude	Certified for operation: 0 to 6500 ft (0 to 2000 m) Designed and tested for operation: -200 to 10,000 ft (-60 to 3000 m)

Table 3: C6800-48P-TX and C6800-48P-TX-XL - Power and Heat Values

Switch Model + DFC Card	Module Current (Amps) ¹	Module Power (Watts)	AC-Input Power (Watts)	AC Heat Diss. (BTU/HR)	DC-Input Power (Watts)	DC Heat Diss. (BTU/HR)
Cisco Catalyst 6807-XL Switch (C6800-48P-TX + WS-F6K-DFC4-A)	7.786	404.872	404.872	1381.480	-	-
Cisco Catalyst 6807-XL Switch (C6800-48P-TX-XL + WS-F6K-DFC4-AXL)	7.883	409.916	409.916	1398.691	-	-
Cisco Catalyst 6500-E Series Switch (C6800-48P-TX + WS-F6K-DFC4-A)	9.640	404.88	404.88	1381.507	404.88	1381.507
Cisco Catalyst 6500-E Series Switch (C6800-48P-TX-XL + WS-F6K-DFC4-AXL)	9.760	409.92	409.92	1398.705	409.92	1398.705

¹ On a Cisco Catalyst 6807-XL switch, module current is @ 52V and on a Cisco Catalyst 6500-E Series switch, module current is @ 42V

Related Topics

[Installing an Ethernet Switching Module](#)

[C6800-48P-TX and C6800-48P-TX-XL Ethernet Modules](#)

1-Gigabit Ethernet Module Specifications

C6800-48P-SFP and C6800-48P-SFP-XL Module Specifications

The following table lists the physical specifications of the modules:

Table 4: C6800-48P-SFP and C6800-48P-SFP-XL - Physical Specifications

Item	Specification
Dimensions (H x W x D)	1.2 x 14.4 x 16 in. (3.0 x 35.6 x 40.6 cm). Occupies one slot in the chassis.
Weight	C6800-48P-SFP—9.03 lb (4.1 kg) C6800-48P-SFP-XL—8.70 lb (3.95 kg)

The following table lists the environmental specifications of the modules:

Table 5: C6800-48P-SFP and C6800-48P-SFP-XL - Environmental Specifications

Item	Specification
Operating temperature	Certified for operation: 32° to 104°F (0° to 40°C) Designed and tested for operation: 32° to 130°F (0° to 55°C)
Humidity (RH) ambient (noncondensing)	10 to 90 percent
Operating altitude	Certified for operation: 0 to 6500 ft (0 to 2000 m) Designed and tested for operation: -200 to 10,000 ft (-60 to 3000 m)

Table 6: C6800-48P-SFP and C6800-48P-SFP-XL - Power and Heat Values

Switch Model + DFC Card	Module Current (Amps) ²	Module Power (Watts)	AC-Input Power (Watts)	AC Heat Diss. (BTU/HR)	DC-Input Power (Watts)	DC Heat Diss. (BTU/HR)
Cisco Catalyst 6807-XL Switch (C6800-48P-SFP + WS-F6K-DFC4-A)	6.429	334.308	334.308	1140.706	-	-
Cisco Catalyst 6807-XL Switch (C6800-48P-SFP-XL + WS-F6K-DFC4-AXL)	6.526	339.352	339.352	1157.917	-	-
Cisco Catalyst 6500-E Series Switch (C6800-48P-SFP + WS-F6K-DFC4-A)	7.960	334.32	334.32	1140.747	334.32	1140.747

Switch Model + DFC Card	Module Current (Amps) ²	Module Power (Watts)	AC-Input Power (Watts)	AC Heat Diss. (BTU/HR)	DC-Input Power (Watts)	DC Heat Diss. (BTU/HR)
Cisco Catalyst 6500-E Series Switch (C6800-48P-SFP-XL + WS-F6K-DFC4-AXL)	8.080	339.36	339.36	1157.944	339.36	1157.944

² On the Catalyst 6807-XL switch, module current is @ 52V and on a Catalyst 6500-E Series switch, module current is @ 42V.

Related Topics

[Installing an Ethernet Switching Module](#)

[C6800-48P-SFP and C6800-48P-SFP-XL Ethernet Modules](#)

10-Gigabit Ethernet Module Specifications

C6800-8P10G and C6800-8P10G-XL Module Specifications

The following table lists the physical specifications of the modules:

Table 7: Physical Specifications

Item	Specification
Dimensions (H x W x D)	1.73 x 15.4 x 16.4 inches (4.39 x 39.11 x 41.65 cm)
Weight	11.02 lb (5.0 kg)

The following table lists the environmental specifications of the modules:

Table 8: Environmental Specifications

Item	Specification
Operating temperature	Certified for operation: 32° to 104°F (0° to 40°C) Designed and tested for operation: 32° to 130°F (0° to 55°C)
Humidity (RH) ambient (noncondensing)	10 to 90 percent
Operating altitude	Certified for operation: 0 to 6500 ft (0 to 2000 m) Designed and tested for operation: -200 to 10,000 ft (-60 to 3000 m)

Table 9: Power and Heat Values

Switch Model + DFC Card	Module Current (Amps) ³	Module Power (Watts)	AC-Input Power (Watts)	AC Heat Diss. (BTU/HR)	DC-Input Power (Watts)	DC Heat Diss. (BTU/HR)
Cisco Catalyst 6807-XL Switch These values apply to the C6800-8P10G (comes installed with WS-F6K-DFC4-E) and the C6800-8P10G-XL (comes installed with WS-F6K-DFC4-EXL) modules	6.86	357	357	1218.13	—	—
Cisco Catalyst 6500-E Series Switch These values apply to the C6800-8P10G (comes installed with WS-F6K-DFC4-E) and the C6800-8P10G-XL (comes installed with WS-F6K-DFC4-EXL) modules	8.5	357	357	1218.13	357	1218.13

³ On a Cisco Catalyst 6807-XL switch, module current is @ 52V.

On a Cisco Catalyst 6503-E and 6504-E module current is @50V; On all other Cisco Catalyst 6500-E Series switches, module current is @ 42V.

Related Topics

[Installing an Ethernet Switching Module](#)

[C6800-8P10G and C6800-8P10G-XL Ethernet Modules](#)

C6800-16P10G and C6800-16P10G-XL Module Specifications

The following table lists the physical specifications of the modules:

Table 10: Physical Specifications

Item	Specification
Dimensions (H x W x D)	1.73 x 15.4 x 16.4 inches (4.39 x 39.11 x 41.65 cm)
Weight	11.02 lb (5.0 kg)

The following table lists the environmental specifications of the modules:

Table 11: Environmental Specifications

Item	Specification
Operating temperature	Certified for operation: 32° to 104°F (0° to 40°C) Designed and tested for operation: 32° to 130°F (0° to 55°C)
Humidity (RH) ambient (noncondensing)	10 to 90 percent
Operating altitude	Certified for operation: 0 to 6500 ft (0 to 2000 m) Designed and tested for operation: -200 to 10,000 ft (-60 to 3000 m)

Table 12: Power and Heat Values

Switch Model + DFC Card	Module Current (Amps) ⁴	Module Power (Watts)	AC-Input Power (Watts)	AC Heat Diss. (BTU/HR)	DC-Input Power (Watts)	DC Heat Diss. (BTU/HR)
Cisco Catalyst 6807-XL Switch These values apply to the C6800-16P10G (comes installed with WS-F6K-DFC4-E) and the C6800-16P10G-XL (comes installed with WS-F6K-DFC4-EXL) modules	6.86	357	357	1218.13	—	—
Cisco Catalyst 6500-E Series Switch These values apply to the C6800-16P10G (comes installed with WS-F6K-DFC4-E) and the C6800-16P10G-XL (comes installed with WS-F6K-DFC4-EXL) modules	8.5	357	357	1218.13	357	1218.13

⁴ On a Cisco Catalyst 6807-XL switch, module current is @ 52V.

On a Cisco Catalyst 6503-E and 6504-E module current is @50V; On all other Cisco Catalyst 6500-E Series switches, module current is @ 42V.

Related Topics[Installing an Ethernet Switching Module](#)[C6800-16P10G and C6800-16P10G-XL Ethernet Modules](#)

C6800-32P10G and C6800-32P10G-XL Module Specifications

The following table lists the physical specifications of the modules:

Table 13: Physical Specifications

Item	Specification
Dimensions (H x W x D)	1.73 x 15.4 x 16.4 inches (4.39 x 39.11 x 41.65 cm)
Weight	14.33 lb (6.5 kg)

The following table lists the environmental specifications of the modules:

Table 14: Environmental Specifications

Item	Specification
Operating temperature	Certified for operation: 32° to 104°F (0° to 40°C) Designed and tested for operation: 32° to 130°F (0° to 55°C)
Humidity (RH) ambient (noncondensing)	10 to 90 percent
Operating altitude	Certified for operation: 0 to 6500 ft (0 to 2000 m) Designed and tested for operation: -200 to 10,000 ft (-60 to 3000 m)

Table 15: Power and Heat Values

Switch Model + DFC Card	Module Current (A) ⁵	Module Power (Watts)	AC-Input Power (Watts)	AC Heat Diss. (BTU/HR)	DC-Input Power (Watts)	DC Heat Diss. (BTU/HR)
Cisco Catalyst 6807-XL Switch These values apply to the C6800-32P10G (comes installed with WS-F6K-DFC4-E) and the C6800-32P10G-XL (comes installed with WS-F6K-DFC4-EXL) modules	11.3	588	588	2006.33	—	—
Cisco Catalyst 6500-E Series Switch These values apply to the C6800-32P10G (comes installed with WS-F6K-DFC4-E) and the C6800-32P10G-XL (comes installed with WS-F6K-DFC4-EXL) modules	14	588	588	2006.33	588	2006.33

⁵ On a Cisco Catalyst 6807-XL switch, module current is @ 52V.

On a Cisco Catalyst 6503-E and 6504-E module current is @50V; On all other Cisco Catalyst 6500-E Series switches, module current is @ 42V.

Related Topics

[Installing an Ethernet Switching Module](#)

[C6800-32P10G and C6800-32P10G-XL Ethernet Modules](#)

40-Gigabit Ethernet Module Specifications

C6800-8P40G and C6800-8P40G-XL Module Specifications

The following table lists the physical specifications of the modules:

Table 16: Physical Specifications

Item	Specification
Dimensions (H x W x D)	1.73 x 15.4 x 16.4 inches (4.39 x 39.11 x 41.65 cm)
Weight	• 12.52 lb (5.68kg) for C6800-8P40G • 12.79 lb (5.80kg) for C6800-8P40G-XL

Table 17: Power and Heat Values

Switch Model + DFC Card	Module Current (A) ⁶	Module Power (Watts)	AC-Input Power (Watts)	AC Heat Diss. (BTU/HR)	DC-Input Power (Watts)	DC Heat Diss. (BTU/HR)
Cisco Catalyst 6807-XL Switch These values apply to the C6800-8P40G (comes installed with 6800-DFC) and the C6800-8P40G-XL (comes installed with 6800-DFC-XL) modules	11.3	588	588	2006.33	—	—

⁶ On a Cisco Catalyst 6807-XL switch, module current is @ 52V.

Related Topics

[Installing an Ethernet Switching Module](#)
[C6800-8P40G and C6800-8P40G-XL Ethernet Modules](#)

