



Technical Specifications

Table A-1 through Table A-3 list the technical specifications for the Catalyst 2940 switches.

Table A-1 Technical Specifications for Catalyst 2940 Switches

Environmental Ranges	
Operating temperature	32 to 113° F (0 to 45° C)
Storage temperature	-13 to 158° F (-25 to 70° C)
Operating humidity	10 to 85% (noncondensing)
Operating altitude	Up to 10,000 ft (3000 m)
Storage altitude	Up to 15,000 ft (4570 m)
Power Requirements	
AC input voltage	100 to 240 VAC, 50 to 60 Hz
Power consumption	15 W (maximum) 50 Btus per hour
Physical Dimensions	
Weight	3 lb (1.36 kg)
Dimensions (H x W x D)	1.55 x 10.6 x 6.42 in. (3.94 x 26.92 x 16.3 cm)

Table A-2 Fiber-Optic Port Specifications for Catalyst 2940-8TF-Switch

Fiber-Port Power Levels	100BASE-FX port	SFP module slot¹
Optical transmitter wavelength	1300 nm ²	—
Optical receiver sensitivity for 50/125-micron cabling	-33.5 to -11.8 dBm ³	—
Optical receiver sensitivity for 62.5/125-micron cabling	-33.5 to -11.8 dBm	—
Optical transmitter power for 50/125-micron cabling	-23.5 to -14 dBm	—
Optical transmitter power for 62.5/125-micron cabling	-20 to -14 dBm	—

1. SFP-dependent
2. nm = nanometers
3. dBm = decibel milliwatt

Table A-3 Catalyst 2940 Switch Agency Approvals

Safety	EMC
UL/CSA 60950	FCC Part 15 Class A
IEC 60950/EN 60950	EN 55022: 1998 (CISPR22) Class A
AS/NZS 60950	EN 55024: 1998 (CISPR24)
CE	VCCI Class A
	AS/NZS 3548 Class A
	CE
	CNS 13438 Class A
	MIC
	CLEI code
	USA CFR47, FCC, Part 15, Class A
	ICES-003, Class A
	EN55022/CISPR22, Class A, 1998
Safety	EMC
	EN 55024: ITE Immunity Standard. (CE Mark), 1998
	EN61000-4-2/IEC1000-4-2: Immunity to ESD
	EN61000-4-3/IEC1000-4-3: Immunity to Radio Frequency Electromagnetic Fields
	EN61000-4-4/IEC1000-4-4: Immunity to Electrical Fast Transients
	EN61000-4-5/IEC1000-4-5: Immunity to Power Line Transients (Surges)
	EN61000-4-6/IEC1000-4-6: Immunity to Radio Frequency Induced Conducted Disturbances

Table A-3 Catalyst 2940 Switch Agency Approvals (continued)

	EN61000-4-11/IEC1000-4-11: Immunity to Voltage Dips, Voltage Variations, and Short Voltage Interruptions
	AS/NZS 3548, Class A
	BSMI, Class A
	VCCI, Class A
	MIC Mark

