



# Technical Specifications

[Table A-1](#) lists the technical specifications for the Catalyst 2955 switches. [Table A-2](#) and [Table A-3](#) list the technical specifications for fiber-optic uplink ports. [Table A-4](#) lists the regulatory agency approvals.

**Table A-1** *Technical Specifications for Catalyst 2955T-12, 2955C-12, and Catalyst 2955S-12 Switches*

Environmental Ranges	
Operating temperature	–40 to 140°F (–40 to 60°C)
Storage temperature	–40 to 185°F (–40 to 85°C)
Operating humidity	10 to 95% (noncondensing)
Shock	50 g at 11 ms
Operating altitude	Up to 10,000 ft (3000 m)
Storage altitude	Up to 30,000 ft (9000 m)
Power Requirements	
DC input voltages	24 V (18 V minimum to 32 V maximum range)  <b>Note</b> The DC-input power supply is an SELV circuit, and it can only be connected to another SELV circuit.
Power consumption	23 W (maximum) 102 Btus per hour

**Table A-1** *Technical Specifications for Catalyst 2955T-12, 2955C-12, and Catalyst 2955S-12 Switches (continued)*

<b>Physical Dimensions</b>	
Weight	3.1 lbs
Dimensions (W x D x H)	8.07 x 5.03 x 3.75 in.

**Table A-2** *Fiber-Optic Port Specifications for the Catalyst 2955C-12 Switch*

<b>Fiber-Port Power Levels</b>	<b>Catalyst 2955C-12 (100BASE-FX MM)</b>
Optical transmitter wavelength	1300 nm <sup>1</sup>
Optical receiver sensitivity for 50/125-micron cabling	-33.5 to -11.8 dBm <sup>2</sup>
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. nm = nanometers
2. dBm = decibel milliwatt

**Table A-3** *Fiber-Optic Port Specifications for the Catalyst 2955S-12 Switch*

<b>Fiber-Port Power Levels</b>	<b>Catalyst 2955S-12 (100BASE-LX SM<sup>1</sup>)</b>
Optical transmitter wavelength	1300 nm <sup>2</sup>
Optical receiver sensitivity for 50/125-micron SM cabling	-38 to -31 dBm <sup>3</sup>
Optical transmitter power for 9-micron cabling	-15 to -8 dBm

1. sm = single-mode fiber
2. nm = nanometers
3. dBm = decibel milliwatt

*Table A-4 Catalyst 2955 Switch Agency Approvals*

Safety	EMC	Hazardous Locations
UL 60950	FCC Part 15 Class A	UL 1604 – Class I, Div 2 Group A, B, C, D
CE	ICES-003 Class A	CSA 22.2/213 – Class I, Div 2 Group A, B, C, D
CAN 22.2 No. 60950	EN 55022: (CISPR22) Class A	EN 50021 – Class I, Zone 2
UL 508	EN 55024 (CISPR24)	
CB report to IEC 60950	AS/NZS CISPR 22 Class A	
TUV GS mark to EN60950	VCCI Class 1	
AS/NZS 3260	CE	
NOM	CNS 13438	
CSA 22.2/142	BSMI Class A	
	MIC Class A	
	EN 61131-2	
	EN 55011 (CISPR 11) Class A	

