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Product warranty terms and other information applicable to Cisco products are available at www.cisco.com/go/warranty.

Product Specifications

Table 1 gives the product specifications for the Cisco 300 Series Switches.

Table 1. Product Specifications

Feature	Description		
Performance			
Switching capacity and forwarding rate All switches are wire-speed and non-blocking	Model Name	Capacity in Millions of Packets per Second (mpps) (64-byte packets)	Switching Capacity in Gigabits per Second (Gbps)
	SF300-08	1.19	1.6
	SF302-08	4.17	5.6
	SF302-08P	4.17	5.6
	SF302-08PP	4.17	5.6
	SF302-08MP	4.17	5.6
	SF302-08MPP	4.17	5.6
	SF300-24	9.52	12.8
	SF300-24P	9.52	12.8
	SF300-24PP	9.52	12.8
	SF300-24MP	9.52	12.8
	SF300-48	13.10	17.6
	SF300-48P	13.10	17.6
	SF300-48PP	13.10	17.6
	SG300-10	14.88	20.0
	SG300-10SFP	14.88	20.0
	SG300-10P	14.88	20.0
	SG300-10PP	14.88	20.0
	SG300-10MP	14.88	20.0
	SG300-10MPP	14.88	20.0
	SG300-20	29.76	40.0
	SG300-28	41.67	56.0
	SG300-28P	41.67	56.0
	SG300-28PP	41.67	56.0
	SG300-28MP	41.67	56.0
	SG300-52	77.38	104.0
	SG300-52P	77.38	104.0
SG300-52MP	77.38	104.0	
SG300-28SFP	41.67	56.0	

Feature	Description				
Cisco Discovery Protocol (CDP)	The switch advertises itself using the Cisco Discovery Protocol. It also learns the connected device and its characteristics via CDP.				
Power over Ethernet (PoE)					
802.3af PoE and 802.3at PoE+ delivered over any of the RJ-45 ports within the listed power budgets	Switches support 802.3at PoE+, 802.3af, and Cisco pre-standard (legacy) PoE. Maximum power of 30.0W to any 10/100 or Gigabit Ethernet port for PoE+ supported devices and 15.4W for PoE supported devices, until the PoE budget for the switch is reached. The total power available for PoE per switch is as follows:				
	Model Name	Power Dedicated to PoE		Number of Ports That Support PoE	
	SF302-08P	62W		8	
	SF302-08PP	62W (PoE+ supported)		8	
	SF302-08MP	124W		8	
	SF302-08MPP	124W (PoE+ supported)		8	
	SF300-24P	180W		24	
	SF300-24PP	180W (PoE+ supported)		24	
	SF300-24MP	375W (PoE+ supported)		24	
	SF300-48P	375W		48	
	SF300-48PP	375W (PoE+ supported)		48	
	SG300-10P	62W		8	
	SG300-10PP	62W (PoE+ supported)		8	
	SG300-10MP	124W		8	
	SG300-10MPP	124W (PoE+ supported)		8	
	SG300-28P	180W		24	
	SG300-28PP	180W (PoE+ supported)		24	
	SG300-28MP	375W (PoE+ supported)		24	
	SG300-52P	375W (PoE+ supported)		48	
	SG300-52MP	740W (PoE+ supported)		48	
Power consumption (worst case)	Model Name	Power Savings Mode	System Power Consumption	Power Consumption: Case (with PoE)	Heat Dissipation Worst Case (BTU/hr)
	SF300-08	Energy Detect	110V=6.1W 220V=7.2W	N/A	24.57
	SF302-08	Energy Detect	110V=8.0W 220V=8.6W	N/A	29.34
	SF302-08P	Energy Detect	110V=10.3W 220V=11.5W	110V=81.3W 220V=82.1W	280.13
	SF302-08PP	Energy Detect	110V=9.12W 220V=9.31W	110V=80.68W 220V=79.62W	271.67
	SF302-08MP	Energy Detect	110V=9.5W 220V=10.3W	110V=150.1W 220V=149.9W	512.14
	SF302-08MPP	Energy Detect	110V=9.66W 220V=9.83W	110V=143.89W 220V=142.97W	487.83
	SF300-24	Energy Detect	110V=16.4W 220V=17.1W	N/A	58.35
	SF300-24P	Energy Detect	110V=25.8W 220V=27.3W	110V=223W 220V=217.9W	760.88
	SF300-24PP	Energy Detect	110V=26.7W 220V=27.9W	110V=218.57W 220V=213.35W	727.98
	SF300-24MP	Energy Detect Short Reach	110V=37.7W 220V=38.0W	110V=441W 220V=431W	1504.69

Feature	Description				
	SF300-48	Energy Detect	110V=24W 220V=24.8W	N/A	84.62
	SF300-48P	Energy Detect	110V=46.4W 220V=46.3W	110V=465W 220V=449W	1531.99
	SF300-48PP	Energy Detect	110V=47.7W 220V=48.2W	110V=421.36W 220V=412.43W	1407.23
	SG300-10	Energy Detect Short Reach	110V=10.33W 220V=10.27W	N/A	35.25
	SG300-10SFP	Energy Detect Short Reach	110V=18.10W 220V=17.71W	N/A	61.76
	SG300-10P	Energy Detect Short Reach	110V=13.13W 220V=13.48W	110V=81.44W 220V=81.16W	277.87
	SG300-10PP	Energy Detect Short Reach	110V=13.37W 220V=12.99W	110V=83.47W 220V=81.58W	278.36
	SG300-10MP	Energy Detect Short Reach	110V=12.21W 220V=12.25W	110V=154.36W 220V=152.42W	526.68
	SG300-10MPP	Energy Detect Short Reach	110V=13.41W 220V=13.72W	110V=145.7W 220V=144.5W	493.05
	SG300-20	Energy Detect Short Reach	110V=16.05W 220V=16.26W	N/A	55.48
	SG300-28	Energy Detect Short Reach	110V=19.8W 220V=20.6W	N/A	70.29
	SG300-28P	Energy Detect Short Reach	110V=29.7W 220V=30.7W	110V=214.4W 220V=210W	731.53
	SG300-28PP	Energy Detect Short Reach	110V=31.9W 220V=33.0W	110V=222W 220V=217W	740.43
	SG300-28MP	Energy Detect Short Reach	110V=42.4W 220V=43.1W	110V=445W 220V=436W	1487.63
	SG300-28SFP	Energy Detect/Short Reach	110V=28W 220V=28.2W	N/A	96.2 BTU/hr
	SG300-52	Energy Detect Short Reach	110V=45.9W 220V=45.3W	N/A	156.61
	SG300-52P	Energy Detect Short Reach	110V=61.25W 220V=61.46W	110V=473.62W 220V=461.88W	1617.29
	SG300-52MP	Energy Detect Short Reach	110V=64.24W 220V=68.80W	110V=873.05W 220V=843.57W	2978.85
Ports	Model Name	Total System Ports		RJ-45 Ports	Combo Ports (RJ-45 + SFP)
	SF300-08	8 Fast Ethernet		8 Fast Ethernet	N/A
	SF302-08	8 Fast Ethernet + 2 Gigabit Ethernet		8 Fast Ethernet	2 Gigabit Ethernet combo
	SF302-08P	8 Fast Ethernet + 2 Gigabit Ethernet		8 Fast Ethernet	2 Gigabit Ethernet combo
	SF302-08PP	8 Fast Ethernet + 2 Gigabit Ethernet		8 Fast Ethernet	2 Gigabit Ethernet combo
	SF302-08MP	8 Fast Ethernet + 2 Gigabit Ethernet		8 Fast Ethernet	2 Gigabit Ethernet combo
	SF302-08MPP	8 Fast Ethernet + 2 Gigabit Ethernet		8 Fast Ethernet	2 Gigabit Ethernet combo
	SF300-24	24 Fast Ethernet + 4 Gigabit Ethernet		24 Fast Ethernet 2 Gigabit Ethernet	2 Gigabit Ethernet combo