

Portable Product Sheet - Catalyst 2900



Last Updated: March 18, 2003

Catalyst 2950 Series

Feature	-12	-24	T-24	C-24	SX-24
EOS	No				
Form Factor	1 RU				
Switch Fabric	8Gbps	8Gbps	13.6Gbps	13.6Gbps	13.6Gbps
Forwarding Rate	6.6Mpps	6.6Mpps	10.1Mpps	10.1Mpps	10.1Mpps
10/100 Ports	12	24	24	24	24
100FX MT-RJ Ports	0	0	0	2	0
1000T Ports	0	0	2	0	0
1000SX MT-RJ Ports	0	0	0	0	2
GBIC Ports	0	0	0	0	0
Support of WS-G5482	N/A				
Support of WS-G5483	N/A				
VLAN Trunking	802.1q only				
EtherChannel	All ports				
Voice-VLAN's	Yes				
Multi-VLAN Capable	No				
Max. MAC Addresses	8,000				
Max. MTU	1500 Bytes				
Multicast	IGMP Snooping in hardware (255 groups, max)				
Ingress Policing	None		6 policers per 10/100 port 60 policers per 1000 port		
Queues per port	4				
QoS Granularity	N/A		1Mbps-64Mbps (10/100 ports)		
DSCP/CoS Remark.	No		Yes		
Heat (W), Max.	30				
Heat (BTU), Max.	102				
Dimensions (H/W/D)	1.72 x 17.5 x 9.52 in. (4.36 x 44.45 x 24.18 cm)				
Operating Temp.	32 to 113°F (0 to 45°C)				
Storage Temp.	-13 to 158°F (-25 to 70°C)				
Relative Humidity	10 to 85% (noncondensing)				
Weight	6.5 lb				
	(3 kg)				
RPS Used	RPS-300/675				

Notes - 2950 Series

While the 2950's have similar internal forwarding engines, a 2950-12, for instance, will never fully use the available bandwidth or forwarding rate. The numbers given are for capacity, not "fill-ability."

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Catalyst 2950G/ST Series

Feature	G-12-EI	G-24-EI	G-48-EI	ST-8-LRE	ST-24-LRE
EOS	No				
Form Factor	1 RU				
Switch Fabric	13.6Gbps	13.6Gbps	13.6Gbps	8.8Gbps	8.8Gbps
Forwarding Rate	10.1Mpps	10.1Mpps	10.1Mpps	3.2Mpps	3.5Mpps
10/100 Ports	12	24	48	0	0
LRE Connections	0	0	0	8	24
1000 SFP GBIC Ports	0	0	0	2 (See Note)	
10/100/1000 Ports	0	0	0	2 (See Note)	
GBIC Ports	2	2	2	0	0
Support of WS-G5482	No			n/a	
Support of WS-G5483	Yes			n/a	
VLAN Trunking	802.1q only				
EtherChannel	All ports				
Voice-VLAN's	Yes				
Multi-VLAN Capable	No				
Max. MAC Addresses	8,000				
Max. MTU	1530 Bytes				
Multicast	IGMP Snooping in hardware (255 groups, max)				
Ingress Policing	6 policers per 10/100/LRE port 60 policers per 1000 port				
Queues per port	4				
QoS Granularity	1Mbps-64Mbps (10/100/LRE ports)				
DSCP/CoS Remark.	Yes				
Heat (W), Max.	30	30	45	30	45
Heat (BTU), Max.	102	102	154	102	154
Dimensions (H/W/D)	1.72 x 17.5 x 9.52 in. (4.36 x 44.45 x 24.18 cm)	See Note		1.72 x 17.5 x 9.7 in. (4.36 x 44.5 x 24.6 cm)	
Operating Temp.	32 to 113°F (0 to 45°C)				
Storage Temp.	-13 to 158°F (-25 to 70°C)				
Relative Humidity	10 to 85% (noncondensing)				
Weight	6.5 lb (3kg)	6.5 lb (3kg)	10.5 lb (4.8kg)	8.5 lb (3.9kg)	8.5 lb (3.9kg)
RPS Used	RPS-300/675				

Notes - 2950 Series

The 2950G-48-EI is an extra 3.48 in. (8.84cm) deep than other 2950G's.

While the 2950G's have similar internal forwarding engines, a 2950G-12-EI, for instance, will never fully use the available bandwidth or forwarding rate. The numbers given are for capacity, not "fill-ability."

2950ST (LRE) switches may use either the 10/100/1000 uplinks **or** the SFP GBIC's, but not both at once.

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Catalyst 2900 "XL" Series

Feature	2912MF	2924M	2916M	2924	2924C	2912	2908
EOS	No		Mar-99	November 1, 2001			Mar-99
Form Factor	2 RU	2 RU	2RU	1RU	1RU	1RU	2 RU
Switch Fabric	3.2Gbps						
Forwarding Rate	3.0Mpps						
10/100 Ports	0	24	16	24	22	12	8
100FX SC MM Ports	12	0	0	0	2	0	0
Expansion Slots	2	2	2	0	0	0	0
Support of WS-G5482	Yes	Yes	No	N/A	N/A	N/A	N/A
Support of WS-G5483	Yes	Yes	No	N/A	N/A	N/A	N/A
VLAN Trunking	ISL, 802.1Q		No	ISL, 802.1Q			No
EtherChannel	All ports						
Voice-VLAN's	No						
Multi-VLAN Capable	All ports		No	All ports			No
Max. VLAN's	250	250	64	64	64	64	64
Max. STP Instances	64	64	64	64	64	64	64
Max. MAC Addresses	8,000	8,000	2,000	2,000	2,000	2,000	2,000
Max. MTU	2,018		1,530	2,018			1,530
Multicast	CGMP only						
Policing	None						
Queues per port	2						
QoS Granularity	N/A						
DSCP/CoS Remark.	No						
Heat (W), Max.	90(170)	90(170)	100(200)	110	110	70	70
Heat (BTU), Max.	307(580)	307(580)	340(680)	375	375	239	239
Dimensions	3.46 x 17.5 x 12 in. (8.8 x 44.5 x 30.5 cm)			1.73 x 17.5 x 9.79 in. (4.4 x 44.5 x 24.8 cm)			
Operating Temp.	32 to 113°F (0 to 45°C)						
Storage Temp.	-4 to 149°F (-10 to 65°C)						
Relative Humidity	10 to 85% (noncondensing)						
Weight	14 (15.5)lb 6.3 (7)kg	13.5 (15)lb 6.1 (6.8)kg	14 (15.5)lb 6.3 (7)kg	9.35 lb 4.25 kg	9.5 lb 4.3 kg	7 lb 3.2 kg	7 lb 3.2 kg
RPS Used	RPS-600						

Notes - 2900 XL Series

While the 2916M cannot trunk on its fixed ports, it may trunk on modules if running 11.2(8)SA5 Enterprise. The 2924 and 2924C also originally came in a 4Mb DRAM version similarly limited as the 2908 and 2916M. Numbers in parenthesis denote values if two modules are installed.

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Catalyst 2900 "XL" Series Ethernet Expansion Modules

Feature	2914-XL-V	2922-XL-V	2924-XL-V	2931-XL	2932-XL	2914-XL	2922-XL
EOS	No	No	No	No	No	March 26, 1999	
10/100 Ports	4	0	0	0	0	4	0
100FX SC MM Ports	0	2	4	0	0	0	2
GBIC Ports	0	0	0	1	0	0	0
1000BaseT	0	0	0	0	1	0	0
VLAN Trunking	ISL, 802.1q					No	
EtherChannel	All port(s)						
Multi-VLAN Capable	All port(s)						
Max. MAC Addresses	8,000					2,000	

Catalyst 2900 "XL" Series ATM Expansion Modules

Feature	2951-XL	2961-XL	2971-XL	2972-XL
EOS	July 27, 2002			
ATM OC-3 Ports	1			
OC-3 Media Type	UTP	MMF	SMF-SR	SMF-LR
VLANs (ELANs)	64			
Max. MAC Addresses	8,000			
LANE 1.0	Yes			
RFC-1483 Bridged PVCs	Yes			