



Portable Product Sheets – Catalyst 3x00

Last updated 05/29/2008

Table 1. Cisco Product Matrix and Feature Benefits for Catalyst 3750 Series.

Feature	-24TS	-48TS	G-24T	G-24TS/1U	G-12S	G-48TS	G-16TD
EOS	No						10/15/2007
Form Factor	1RU	1RU	1RU	1.5/1RU	1RU	1RU	1RU
Switch Fabric	32Gbps						
Forwarding Rate	6.5Mpps	13.1Mpps	35.7Mpps	38.7Mpps	17.8Mpps	38.7Mpps	35.7Mpps
Stackwise 32Gbps	Yes						
10/100 Ports	24	48	0	0	0	0	0
SFP Based Gig Ports	2	4	0	4	12	4	0
10/100/1000 Ports	0	0	24	24	0	48	16
10Gigabit Xenpak port	0	0	0	0	0	0	1
Support of WS-G5482	N/A						
Support of WS-G5483							
VLAN Trunking	All ports						
EtherChannel							
VLANs	4000 ID's maximum (up to 1005 configured at one time) 128 maximum STP instances						
Voice-VLAN Capable	Yes						
Max. MAC Addresses	12,000						
Max. MTU	9018 Bytes (1000 ports), 1546 Bytes (10/100 ports)						
Multicast	IGMP Snooping/PIM(L3) (1,000 groups max)						
Policing	Ingress and Egress, 64 per port						
Egress Queues/Port	4						
QoS Granularity	8kbps (minimum)						
DSCP/CoS Remarking	Yes						
Layer 3	SMI License - static routes/RIP, EMI license - EIGRP, OSPF, BGP, WCCP						



Heat (W), Max.	50	75	165	190/100	120	160	180
Heat (BTU), Max.	171	256	536	650/314	409	500	615
Dimensions (H/W/D)	1.73x17.5x11.83 in. (4.39x44.5x30.1 cm)		1.73x17.5x12.83 in. 4.39x44.5x32.6 cm	2.6x17.5x11.6 in. (6.6x44.5x29.5 cm) / 1.73x17.5x14.9 in. (4.4x44.5x37.8 cm)	Same as G-24T	1.73x17.5x16.1 in. 4.39x44.5x40.9cm	
Acoustic Noise	42dB						
MTBF (Hours)	294,928	217,824	210,936	188574/221150	215,000	165,243	184,422
Operating Temperature	32 to 113°F (0 to 45°C)						
Storage Temperature	-13 to 158°F (-25 to 70°C)						
Relative Humidity	10 to 85% (noncondensing)						
Weight	8 lb (3.6Kg)	9.1 lb (4.1Kg)	10 lb (4.55Kg)	12.5 lb (5.7Kg)/12 lb (5.5Kg)	10 lb (4.55Kg)	14 lb (6.4Kg)	12.5 lb (5.68 Kg)
RPS Used	RPS-675						
Feature							
EOS	No						
Form Factor	1RU	2RU					
Switch Fabric	32Gbps						
Forwarding Rate	6.5Mpps	38.7Mpps					
Stackwise 32Gbps	Yes						
10/100 Ports	24	0					
SFP Based Gig Ports	2	2					
10/100/1000 Ports	0	24					
10Gigabit Xenpak port	0	0					
Support of WLAN Controller		Yes					
Support of WS-G5482	N/A						
Support of WS-G5483							
VLAN Trunking	All ports						
EtherChannel							
VLANs	4000 ID's maximum (up to 1005 configured at one time)						



	128 maximum STP instances						
Voice-VLAN Capable	Yes						
Max. MAC Addresses	12,000						
Max. MTU	9018 Bytes (1000 ports), 1546 Bytes (10/100 ports)						
Multicast	IGMP Snooping/PIM(L3) (1,000 groups max)						
Policing	Ingress and Egress, 64 per port						
Egress Queues/Port	4						
QoS Granularity	8kbps (minimum)						
DSCP/CoS Remarking	Yes						
Layer 3	SMI License - static routes/RIP, EMI license - EIGRP, OSPF, BGP, WCCP						
Heat (W), Max.	56	254,94					
Heat (BTU), Max.	171	?					
Dimensions (H/W/D)	1.73x17.5x11.8 in. (4.4x44.5x30.1 cm)	2.59 x 17.5 x 11.6 in. (6.6 x 44.5 x 29.5 cm)					
Acoustic Noise	42dB						
MTBF (Hours)	269,011	209,170					
Operating Temperature	32 to 113°F (0 to 45°C)						
Storage Temperature	-13 to 158°F (-25 to 70°C)						
Relative Humidity	10 to 85% (noncondensing)						
Weight	?	21 lb (9.5Kg)					
RPS Used	RPS-675						

Notes: The chassis all have the same forwarding silicon, and have a maximum forwarding rate of 38.7Mpps when using the StackWise interconnect. The numbers given are for "front port" access, only.



Table 2. Cisco Product Matrix and Feature Benefits for Catalyst 3750-E Series.

Feature	-24TD	-24PD	-48TD	-48PD	-48PD-F		
EOS	No						
Form Factor	1RU	1RU	1RU	1RU	1RU		
Switch Fabric	128 Gbps						
Forwarding Rate	65.5 Mpps	65.5 Mpps	101.2 Mpps	101.2 Mpps	101.2 Mpps		
Stackwise 64 Gbps	Yes						
10/100 Ports	0	0	0	0	0		
SFP Based Gig Ports	0	0	0	2	2		
10/100/1000 Ports	24	24	48	48	48		
10Gigabit Xenpak port	2	2	2	2	2		
Support of WS-G5482	N/A						
Support of WS-G5483							
VLAN Trunking	All ports						
EtherChannel							
VLANs	4000 ID's maximum (up to 1005 configured at one time) 128 maximum STP instances						
Voice-VLAN Capable	Yes						
Max. MAC Addresses	12,000						
Max. MTU	9216 Bytes (1000 ports), 1546 Bytes (10/100 ports)						
Multicast	IGMP Snooping/PIM(L3) (1,000 groups max)						
Policing	Ingress and Egress, 64 per port						
Egress Queues/Port	4						
QoS Granularity	8kbps (minimum)						
DSCP/CoS Remarking	Yes						
Layer 3	SMI License - static routes/RIP, EMI license - EIGRP, OSPF, BGP, WCCP						
Heat (W), Max.	See Below Power Specification Chart						
Heat (BTU), Max.							
Dimensions (H/W/D)	1.75x17.5x18.1 in. (4.45x44.5x46.0 cm)				1.75x17.5x21.7 in. (4.45x44.5x55.2 cm)		
Acoustic Noise	45dB	45dB	45dB	45dB	48dB		
MTBF (Hours)	177,975	167,107	166,369	153,265	149,667		
Operating Temperature	32 to 113°F (0 to 45°C)						
Storage Temperature	-13 to 158°F (-25 to 70°C)						
Relative Humidity	10 to 85% (noncondensing)						
Weight	17.9lb	18.3 lb	18.8lb (8.6Kg)	19.2lb	20.9lb (9.5Kg)		



	(8.1Kg)	(8.3Kg)		(8.75Kg)			
RPS Used	RPS-2300						

Power Supply Compatibility Matrix							
3750-E Switch Type	1150WAC	750WAC	265WAC	265WDC			
48-Port PoE Switch	Yes	Yes	No	No			
24-Port PoE Switch	Yes	Yes	No	No			
48-Port Switch	Yes	Yes	Yes	Yes			
24-Port Switch	Yes	Yes	Yes	Yes			
RPS 2300	Yes	Yes	No	No			
Power Specification Chart							
Power Supply Compatibility Matrix	1150WAC	750WAC	265WAC	265WDC			
Heat (W), Max.	1150W	750WAC	265W	265W			
Heat (BTU), Max.	3,924	4,225	920	920			

Notes: The Gigabit Uplinks are using the Cisco TwinGig Adapter Converting 10 Gigabit Ethernet X2 Interface into Two Gigabit Ethernet SFP Interfaces

Table 3. Cisco Product Matrix and Feature Benefits for Catalyst 3560 Series

Feature	3560-24TS	48-TS	G-24TS	G-48TS	8PC		
EOS	No						
Form Factor	1 RU						
Switch Fabric	32 Gbps						
Forwarding Rate	6.5 Mpps	13.1 Mpps	38.7 Mpps		2.7 Mpps		
10/100 Ports	24	48	0	48	8		
100FX MT-RJ Ports	0	0	0	0	0		
SFP GBIC Ports	2	4	4	4	1		
10/100/1000 Ports	0	0	24	48			
Support of WS-G5482	N/A						
Support of WS-G5483	N/A						
VLAN Trunking	All ports						
EtherChannel	All ports						
VLANs	4000 ID's maximum (up to 1024 configured at one time) 128 maximum STP instances						
Voice-VLAN Capable	Yes						
Multi-VLAN Capable	Yes						
Max. MAC Addresses	12,000						
Max. MTU	9018 Bytes on 1000 ports, and 1546 Bytes on 10/100 ports						



Multicast	IGMP Snooping/PIM(L3) (1000 Group Max)						
Policing	Ingress and Egress, 64 per port						
Egress Queues/Port	4						
QoS Granularity	8kbps (minimum)						
DSCP/CoS Remarking	Yes						
Layer 3	SMI License includes static routes/RIP EMI license needed for full routing (EIGRP, OSPF, BGP) & WCCP						
Heat (W), Max.	24	65	100	160	204		
Heat (BTU), Max.	393	546	534	690	273		
Dimensions (H/W/D)	1.73 x 17.5 x 16.1 in. (4.4 x 44.5 x 30.1 cm)		1.73 x 17.5 x 14.9 in. (4.4 x 44.5 x 37.8 cm)	1.73 x 17.5 x 16.1 in. (4.4 x 44.5 x 40.9 cm)	1.73 x 10.6 x 9.1 in. (4.4 x 27 x 23 cm)		
Acoustic Noise	42 dBa			48 dBa	0 dBa		
MTBF (Hours)	224,100	173,500	230,700	173,400	367,586		
Operating Temperature	32 to 113°F (0 to 45°C)						
Storage Temperature	-13 to 158°F (-25 to 70°C)						
Relative Humidity	10 to 85% (noncondensing)						
Weight	8.5 lb (3.9 kg)	9.1 lb (4.1 kg)	12 lb (5.4 kg)	14 lb (6.4 kg)	5 lb (2.3 kg)		
RPS Used	RPS-675						

Notes: The -24PS's may have 24 simultaneous full powered PoE ports @ 15.4W. The -48's can support 24 simultaneous full powered ports @ 15.4W or 48 ports at 7.7 W, or any combination in between.

Notes: The SFP port for the 3560-8PC is dual-purpose port (10/100/1000 and SFP)

Table 4. Cisco Product Matrix and Feature Benefits for Catalyst 3560-E Series

Feature	-24TD	-24PD	-48TD	-48PD	-48PD-F		
EOS	No						
Form Factor	1RU	1RU	1RU	1RU	1RU		
Switch Fabric	128 Gbps						
Forwarding Rate	65.5 Mpps	65.5 Mpps	101.2 Mpps	101.2 Mpps	101.2 Mpps		
Stackwise 64 Gbps	Yes						
10/100 Ports	0	0	0	0	0		
SFP Based Gig Ports	0	0	0	0	0		



10/100/1000 Ports	24	24	48	48	48			
10Gigabit Xenpak port	2	2	2	2	2			
Support of WS-G5482	N/A							
Support of WS-G5483	N/A							
VLAN Trunking	All ports							
EtherChannel	All ports							
VLANs	4000 ID's maximum (up to 1005 configured at one time) 128 maximum STP instances							
Voice-VLAN Capable	Yes							
Max. MAC Addresses	12,000							
Max. MTU	9216 Bytes (1000 ports), 1546 Bytes (10/100 ports)							
Multicast	IGMP Snooping/PIM(L3) (1,000 groups max)							
Policing	Ingress and Egress, 64 per port							
Egress Queues/Port	4							
QoS Granularity	8kbps (minimum)							
DSCP/CoS Remarking	Yes							
Layer 3	SMI License includes static routes/RIP EMI license needed for full routing (EIGRP,OSPF,BGP) & WCCP							
Heat (W), Max.	See Below Power Specification Chart							
Heat (BTU), Max.								
Dimensions (H/W/D)	1.75x17.5x18.1 in. (4.45x44.5x46.0 cm)				1.75x17.5x21.7 in. (4.45x44.5x55.2 cm)			
Acoustic Noise	45dB				48dB			
MTBF (Hours)	181,086	168,753	166,907	151,196				
Operating Temperature	32 to 113°F (0 to 45°C)							
Storage Temperature	-13 to 158°F (-25 to 70°C)							
Relative Humidity	10 to 85% (noncondensing)							
Weight	17.9lb (8.1Kg)	18.3 lb (8.3Kg)	18.8lb (8.6Kg)	19.2lb (8.75Kg)	20.9lb (9.5Kg)			
RPS Used	RPS-2300							

Power Supply Compatibility Matrix

3750-E Switch Type	1150WAC	750WAC	265WAC	265WDC		
48-Port PoE Switch	Yes	Yes	No	No		
24-Port PoE Switch	Yes	Yes	No	No		
48-Port Switch	Yes	Yes	Yes	Yes		
24-Port Switch	Yes	Yes	Yes	Yes		
RPS 2300	Yes	Yes	No	No		



Power Specification Chart

Power Supply Compatibility Matrix	1150WAC	750WAC	265WAC	265WDC			
Heat (W), Max.	1150W	750WAC	265W	265W			
Heat (BTU), Max.	3,924	4,225	920	920			

Notes: The Gigabit Uplinks are using the Cisco TwinGig Adapter Converting 10 Gigabit Ethernet X2 Interface into Two Gigabit Ethernet SFP Interfaces

Table 5. Product Matrix and Feature Benefits for Catalyst 3550 Series

Feature	3550-24	-24-FX	-48	-24-PWR	-12T	-12G
EOS	5/2/2006					
Form Factor	1 RU				1.5 RU	
Switch Fabric	8.8 Gbps	8.8 Gbps	13.6 Gbps	8.8 Gbps	24 Gbps	
Forwarding Rate	6.6 Mpps	6.6 Mpps	10.1 Mpps	6.6 Mpps	17 Mpps	
10/100 Ports	24	0	48	24	0	0
10/100 PoE Ports	0	0	0	24	0	0
100FX MT-RJ Ports	0	24	0	0	0	0
GBIC Ports	2	2	2	2	2	10
10/100/1000 Ports	0	0	0	0	10	2
Support of WS-G5482	Yes					
Support of WS-G5483	Yes					
VLAN Trunking	All ports					
EtherChannel	All ports					
VLANs	4000 ID's maximum (up to 1024 configured at one time) 128 maximum STP instances					
Voice-VLAN Capable	Yes					
Multi-VLAN Capable	No					
Max. MAC Addresses	8,000				12,000	
Max. MTU	1546 Bytes				2000 Bytes	
Multicast	IGMP Snooping/PIM(L3) (2000 group max)				IGMP Snooping/PIM(L3) (8000 group max)	
Policing	Ingress and Egress 8 per 10/100 port, 128 per 1000 port					
Egress Queues/Port	4					
QoS Granularity	8Kbps-100Mbps (10/100 ports)					
DSCP/CoS Remarking	Yes					
Layer 3	SMI License includes static routes/RIP EMI license needed for full routing				Full L3 license included	
Heat (W), Max.	65	85	110	525	190	190
Heat (BTU), Max.	222	290	375	1790	650	650



Dimensions (H/W/D)	1.75x17.5x14.4 in. (4.5x44.5x36.6cm)	1.75 x 17.5 x 16.25 in. (4.5 x 44.5 x 41.3 cm)		See note below	2.63 x 17.5 x 15.9 in. (6.7 x 44.5 x 40.4 cm)	
Acoustic Noise	48 dBa	46 dBa	46 dBa	47 dBa	58 dBa	58 dBa
MTBF (Hours)	~193,000	186,000	163,000	166,356	113,658	110,332
Operating Temperature	32 to 113°F (0 to 45°C)					
Storage Temperature	-13 to 158°F (-25 to 70°C)					
Relative Humidity	10 to 85% (noncondensing)					
Weight	11 lb (5 kg)	10.5 lb (4.8 kg)	13 lb (5.9 kg)	14lb (6.4kg)	16 lb (7.26 kg)	
RPS Used	RPS-300 or 675			RPS-675	RPS-300 or 675	

Notes: 3550-PWR is an extra 3 in. (7.8cm) deeper than the 3550-24. Also, heat is measured with 24 IP phones.

Table 5. Cisco Product Matrix and Feature Benefits for Catalyst 3500 XL Series

Feature	3508G	3512	3524-PWR	3524	3548
EOS	No	27-Jul-02	12-Aug-03	27-Jul-02	27-Jul-02
Form Factor	1 RU				
Switch Fabric	10.8 Gbps				
Forwarding Rate	8 Mpps				
10/100 Ports	0	12	24	24	48
GBIC Ports	8	2	2	2	2
Support of WS-G5482	Yes				
Support of WS-G5483	Yes				
VLAN Trunking	All ports				
EtherChannel	All ports				
VLANs	250 (64 maximum STP instances)				
Voice-VLAN Capable	Yes				
Multi-VLAN Capable	All ports				
Max. MAC Addresses	8,000				
Max. MTU	2,018				
Multicast	CGMP Only				
Ingress Policing	None				
Egress Queues/Port	2 (10/100), 8 (GBIC)				
QoS Granularity	N/A				
DSCP/CoS Remarking	No				
Layer 3	No				
Heat (W), Max.	82.2	50	75	325	100
Heat (BTU), Max.	280	171	256	1100	600
Dimensions (H/W/D)	1.75 x 17.5 x 16 in. (4.5 x 44.5 x 40.5 cm)	1.75 x 17.5 x 11.82 in. (4.5 x 44.5 x 30.0 cm)			1.73 x 17.5 x 15.3 in. (4.4 x 44.5 x 39 cm)



Operating Temperature	32 to 113°F (0 to 45°C)				
Storage Temperature	-4 to 149°F (-10 to 65°C)				
Relative Humidity	10 to 85% (noncondensing)				
Weight	12 lb (5.45 kg)	10.25 lb (4.65 kg)	8.5 lb (3.86 kg)	10.25 lb (4.65 kg)	12 lb (5.45 kg)
RPS Used	RPS-600	RPS-300	RPS-600	RPS-600	RPS-600

Notes: 3524-PWR's listed heat/power consumption numbers are for 24 IP phones attached.



Americas Headquarters
 Cisco Systems, Inc.
 170 West Tasman Drive
 San Jose, CA 95134-1708
 USA
www.cisco.com
 Tel: 408 535-4000
 800 553-NETS (6367)
 Fax: 408 527-0883

Asia Pacific Headquarters
 Cisco Systems, Inc.
 165 Robinson Road
 #28-01 Capital Tower
 Singapore 068112
www.cisco.com
 Tel: +65 6317 7777
 Fax: +65 6317 7788

Europe Headquarters
 Cisco Systems International BV
 Haarlerbergpark
 Haarlerbergweg 13-1B
 1101 CH Amsterdam
 The Netherlands
www-europe.cisco.com
 Tel: +31 0 800 020 0781
 Fax: +31 0 20 367 1100

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at www.cisco.com/go/offices.

©2006 Cisco Systems, Inc. All rights reserved. CCNP, the Cisco logo, and the Cisco Square Bridge logo are trademarks of Cisco Systems, Inc.; Changing the Way We Work, Live, Play and Learn is a service mark of Cisco Systems, Inc.; and Access Registrar, Aironet, BPX, Catalyst, CCDA, CCDP, CCE, CCIP, CCNA, CCNP, CCRP, Cisco, the Cisco Certified Internetwork Expert logo, Cisco IOS, Cisco Press, Cisco Systems, Cisco Systems Capital, the Cisco Systems logo, Cisco Unity, Enterprise-Solver, EtherChannel, EtherFast, EtherSwitch, Fast Step, Follow Me Browsing, FormShare, Gigaset, HomeLink, Internet Quotient, IOS, IPTV, IQ Expertise, the IQ logo, IQ Net Readiness Scorecard, IQNet Study, LightStream, Linksys, MeetingPlace, MGR, Networking Academy, Network Registrar, Packet, PIX, ProConnect, RateMUX, ScriptShare, SlideCast, SMARTnet, StackWise, The Fastest Way to Increase Your Internet Quotient, and TransPath are registered trademarks of Cisco Systems, Inc. and/or its affiliates in the United States and certain other countries.

All other trademarks mentioned in this document or Website are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (0606R)