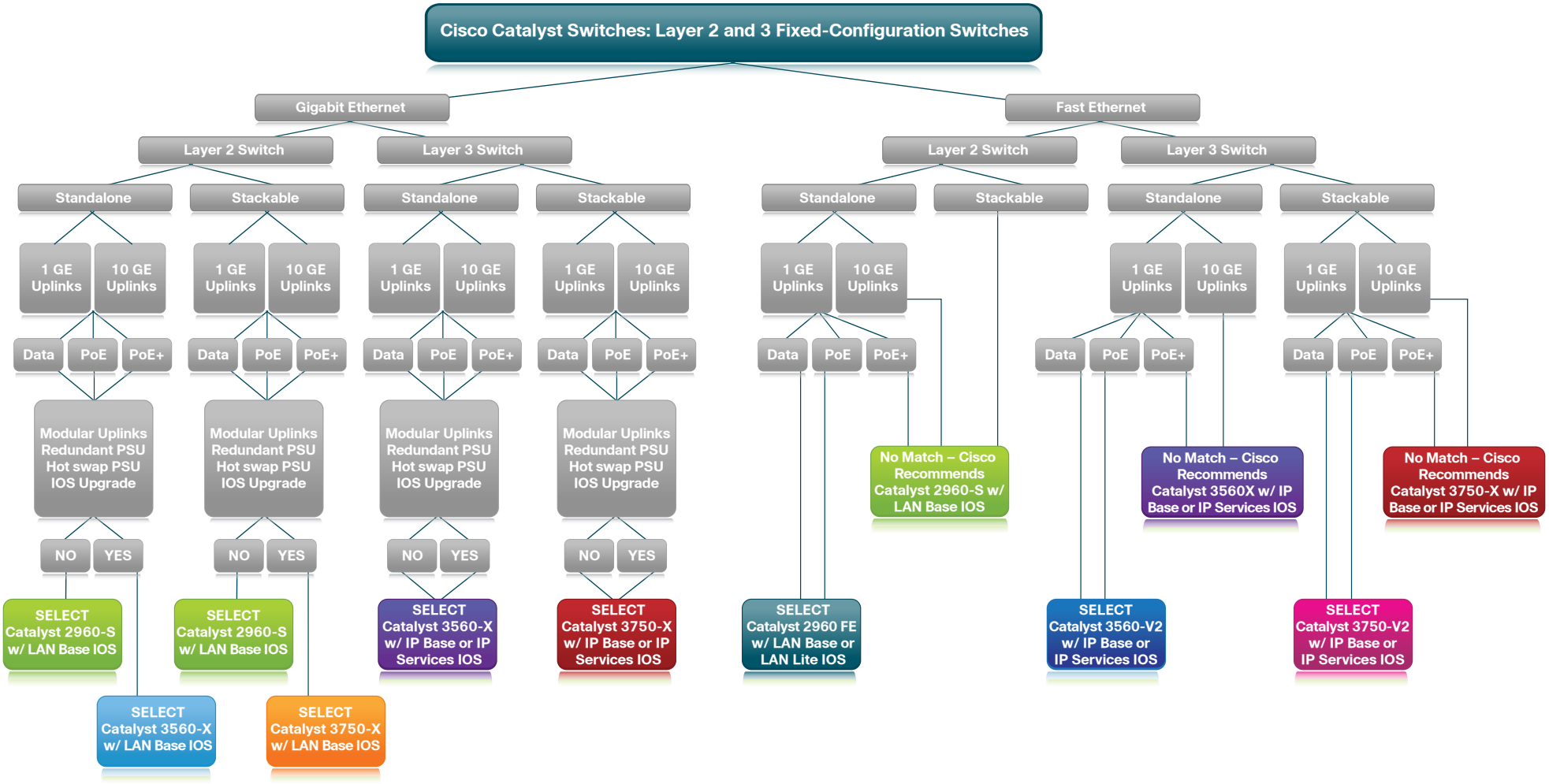
Cisco Catalyst Fixed Switches Selection Guide

Quickly identify the recommended Cisco Catalyst Layer 2 and 3 fixed-configuration switch using this easy-to-follow selection guide.



Cisco recommends the Catalyst 3K-X for those customers that require–

- Improved resiliency such as modular uplinks, StackPower, hot swap of power supplies and full redundancy
- Future proofing and investment protection such as IOS upgrade, uplink upgrade and full PoE+ support
- Full depth of BN services for video (Medianet), security (TrustSec), and energy management (EnergyWise)

Cisco Catalyst Layer 2 and Layer 3 Fixed-Configuration Product Guide

Catalyst Series: 2960, 3560-V2, 3750-V2, 2960-S, 3560-X, 3750-X

Layer 2 Fast Ethernet Switches - Catalyst 2960 Series							
Catalyst 2960	**# of Access Ports**	**Uplinks**	**PoE (15.4W)**	**PoE Power**	**PoE+ (30W)**	**Stackable**	**Cisco IOS**
WS-C2960-48PST-L	48 Ethernet 10/100 PoE ports	2 X 1 GE SFP and 2 X 10/100/1000 ports	24	370W	NO	Standalone	LAN Base
WS-C2960-24PC-L	24 Ethernet 10/100 PoE ports	2 dual-purpose (10/100/1000 or SFP)	24	370W			LAN Base
WS-C2960-24LT-L	24 Ethernet 10/100 (8 PoE ports)	2 x 10/100/1000 ports	8	123W			LAN Base
WS-C2960-24TC-L	24 Ethernet 10/100 ports	2 dual-purpose ports	-	-			LAN Base
WS-C2960-48TC-L	48 Ethernet 10/100 ports	2 dual-purpose (10/100/1000 or SFP)	-	-			LAN Base
WS-C2960-24TT-L	24 Ethernet 10/100 ports	2 x 10/100/1000 ports	-	-			LAN Base
WS-C2960-48TT-L	48 Ethernet 10/100 ports	2 x 10/100/1000 ports	-	-			LAN Base
Model	**Description**	**Uplinks**	**PoE (15.4W)**	**PoE Power**	**PoE+ (30W)**	**Stackable**	**Cisco IOS**
WS-C2960-24-S	24 Ethernet 10/100	None	-	-	NO	Standalone	LAN Lite
WS-C2960-48PST-S	48 Ethernet 10/100 PoE ports	2 X 1 GE SFP and 2 X 10/100/1000 ports	24	370W			LAN Lite
WS-C2960-24PC-S	24 Ethernet 10/100 PoE ports	2 dual-purpose ports (10/100/1000 or SFP)	24	370W			LAN Lite
WS-C2960-24LC-S	24 Ethernet 10/100 (8 PoE ports)	2 dual-purpose ports (10/100/1000 or SFP)	8	123W			LAN Lite
WS-C2960-24TC-S	24 Ethernet 10/100	2 dual-purpose ports (10/100/1000 or SFP)	-	-			LAN Lite
WS-C2960-48TC-S	48 Ethernet 10/100	2 dual-purpose ports (10/100/1000 or SFP)	-	-			LAN Lite
WS-C2960-48TT-S	48 Ethernet 10/100	2 x 10/100/1000 ports	-	-			LAN Lite
Layer 2 Fast Ethernet Switches - Catalyst 2960 Compact Switches							
Model	**# of Access Ports**	**Uplinks**	**PoE (15.4W)**	**PoE Power**	**PoE+ (30W)**	**Stackable**	**Cisco IOS**
WS-C2960-8TC-L	8 Ethernet 10/100 ports; no fan	1 dual-purpose (10/100/1000 or SFP)	-	-	NO	Standalone	LAN Base
WS-C2960PD-8TT-L	8 Ethernet 10/100 ports; no fan	1 X 10/100/1000 PoE input port	-	-			LAN Base
WS-C2960-8TC-S	8 Ethernet 10/100; no fan	1 dual-purpose (10/100/1000 or SFP)	-	-			LAN Lite
Layer 2 Gigabit Ethernet Switches - Catalyst 2960 Compact Switches							
WS-C2960G-8TC-L	7 Ethernet 10/100/1000; no fan	1 dual-purpose (10/100/1000 or SFP)	-	-	NO	Standalone	LAN Base

Layer 3 Fast Ethernet Switches - Catalyst 3560-V2 Series							
Catalyst 3560-V2	**# of Access Ports**	**Uplinks**	**PoE (15.4W)**	**PoE Power**	**PoE+ (30W)**	**Stackable**	**Cisco IOS**
WS-C3560V2-24PS-E	24 Ethernet 10/100 PoE ports	2 x 1 GE SFP	24	370W	NO	Standalone	IP Services
WS-C3560V2-24PS-S	24 Ethernet 10/100 PoE ports	2 x 1 GE SFP	24	370W			IP Base
WS-C3560V2-24TS-E	24 Ethernet 10/100 ports	2 x 1 GE SFP	-	-			IP Services
WS-C3560V2-24TS-S	24 Ethernet 10/100 ports	2 x 1 GE SFP	-	-			IP Base
WS-C3560V2-48PS-E	48 Ethernet 10/100 PoE ports	4 x 1 GE SFP	24	370W			IP Services
WS-C3560V2-48PS-S	48 Ethernet 10/100 PoE ports	4 x 1 GE SFP	24	370W			IP Base
WS-C3560V2-48TS-E	48 Ethernet 10/100 ports	4 x 1 GE SFP	-	-			IP Services
WS-C3560V2-48TS-S	48 Ethernet 10/100 ports	4 x 1 GE SFP	-	-			IP Base
WS-C3560-8PC-S	8 Ethernet 10/100 PoE ports; no fan	1 GE dual purpose	8	123W			IP Base
WS-C3560-12PS-S	12 Ethernet 10/100 PoE ports; no fan	1 GE dual purpose	8	123W			IP Base

Layer 3 Fast Ethernet Switches - Catalyst 3750-V2 Series							
Catalyst 3750-V2	**# of Access Ports**	**Uplinks**	**PoE (15.4W)**	**PoE Power**	**PoE+ (30W)**	**Stackable**	**Cisco IOS**
WS-C3750V2-24PS-E	24 Ethernet 10/100 PoE ports	2 x 1 GE SFP	24	370W	NO	Stackable (up to nine switches)	IP Services
WS-C3750V2-24PS-S	24 Ethernet 10/100 PoE ports	2 x 1 GE SFP	24	370W			IP Base
WS-C3750V2-24TS-E	24 Ethernet 10/100 ports	2 x 1 GE SFP	-	-			IP Services
WS-C3750V2-24TS-S	24 Ethernet 10/100 ports	2 x 1 GE SFP	-	-			IP Base
WS-C3750V2-48PS-E	48 Ethernet 10/100 PoE ports	4 x 1 GE SFP	24	370W			IP Services
WS-C3750V2-48PS-S	48 Ethernet 10/100 PoE ports	4 x 1 GE SFP	24	370W			IP Base
WS-C3750V2-48TS-E	48 Ethernet 10/100 ports	4 x 1 GE SFP	-	-			IP Services
WS-C3750V2-48TS-S	48 Ethernet 10/100 ports	4 x 1 GE SFP	-	-			IP Base
Cisco StackWise Cables (All C3750 Models include CAB-STACK-50CM=)							
CAB-STACK-50CM=	StackWise 50CM Cable						
CAB-STACK-1M=	StackWise 1MCable						
CAB-STACK-3M=	StackWise 3M Cable						

Layer 2 Gigabit Ethernet Switches - Catalyst 2960-S Series							
Model	**Access Ports**	**Uplinks**	**PoE (15.4W)**	**PoE/PoE+ Power**	**PoE+ (30W)**	**Stackable**	**Cisco IOS**
WS-C2960S-48FPD-L	48 10/100/1000 PoE+	2x (1G or 10G) Uplinks	48	740W	YES	FlexStack Optional (up to four switches)	LAN Base
WS-C2960S-48LPD-L	48 10/100/1000 PoE+	2x (1G or 10G) Uplinks	24	370W			LAN Base
WS-C2960S-24PD-L	24 10/100/1000 PoE+	2x (1G or 10G) Uplinks	24	370W			LAN Base
WS-C2960S-48TD-L	48 10/100/1000	2x (1G or 10G) Uplinks	-	-	NO		LAN Base
WS-C2960S-24TD-L	24 10/100/1000	2x (1G or 10G) Uplinks	-	-			LAN Base
Model	**Access Ports**	**Uplinks**	**PoE (15.4W)**	**PoE/PoE+ Power**	**PoE+ (30W)**	**Stackable**	**Cisco IOS**
WS-C2960S-48FPS-L	48 10/100/1000 PoE+	4x 1G Uplinks	48	740W	YES	FlexStack Optional (up to four switches)	LAN Base
WS-C2960S-48LPS-L	48 10/100/1000 PoE+	4x 1G Uplinks	24	370W			LAN Base
WS-C2960S-24PS-L	24 10/100/1000 PoE+	4x 1G Uplinks	24	370W			LAN Base
WS-C2960S-48TS-L	48 10/100/1000	4x 1G Uplinks	-	-	NO		LAN Base
WS-C2960S-24TS-L	24 10/100/1000	4x 1G Uplinks	-	-			LAN Base
Catalyst 2960-S Series GE Switch 1G Uplinks LAN Lite (No Stacking)		**Uplinks**	**PoE (15.4W)**	**PoE/PoE+ Power**	**PoE+ (30W)**	**Stackable**	**Cisco IOS**
WS-C2960S-48TS-S	48 10/100/1000	2x 1G Uplinks	-	-	NO	Standalone	LAN Lite
WS-C2960S-24TS-S	24 10/100/1000	2x 1G Uplinks	-	-			LAN Lite
FlexStack Stacking Module - requires one module per switch (includes Stacking cable CAB-STK-E-0.5M=)							
C2960S-STACK	Cisco FlexStack stacking module						
Cisco FlexStack Stacking Cables for Catalyst 2960-S Series							
CAB-STK-E-0.5M=	Cisco FlexStack 50cm stacking cable						
CAB-STK-E-1M=	Cisco FlexStack 1m stacking cable						
CAB-STK-E-3M=	Cisco FlexStack 3m stacking cable						

Layer 2 / 3 Gigabit Ethernet Switches - Catalyst 3750-X Series		Default PoE/PoE+ Power - Order 2nd power supply to support additional PoE/PoE+ ports					
Catalyst 3750-X Series	**# of Access Ports**	**Optional Uplinks**	**PoE (15.4W)**	**PoE/PoE+ Power**	**PoE+ (30W)**	**Stackable**	**Cisco IOS**
WS-C3750X-24T-L	24 10/100/1000 Ethernet ports, 350W AC	Choice of 4 x 1 GE or 2 x 10 GE Links (Ordered Separately)	-	-	NO	Stackable Optional (up to nine switches)	LAN Base
WS-C3750X-48T-L	48 10/100/1000 Ethernet ports, 350W AC		-	-			LAN Base
WS-C3750X-24P-L	24 10/100/1000 Ethernet PoE+ ports, 715W AC		28	435W	YES		LAN Base
WS-C3750X-48P-L	48 10/100/1000 Ethernet PoE+ ports, 715W AC		28	435W			LAN Base
WS-C3750X-48PF-L	48 10/100/1000 Ethernet PoE+ ports, 1100W		48	800W			LAN Base
WS-C3750X-24T-S	24 10/100/1000 Ethernet ports, 350W AC		-	-	NO		IP Base
WS-C3750X-48T-S	48 10/100/1000 Ethernet ports, 350W AC		-	-			IP Base
WS-C3750X-24P-S	24 10/100/1000 Ethernet PoE+ ports, 715W AC		28	435W	YES		IP Base
WS-C3750X-48P-S	48 10/100/1000 Ethernet PoE+ ports, 715W AC		28	435W			IP Base
WS-C3750X-48PF-S	48 10/100/1000 Ethernet PoE+ ports, 1100W		48	800W			IP Base
Network Modules 3750-X Series (Order choice of 1 GE or 10 GE Uplinks Seperately)							
C3KX-NM-1G=	Catalyst 3K-X 1G Network Module Spare						
C3KX-NM-10G=	Catalyst 3K-X 10G Network Module Spare						
C3KX-NM-BLANK=	Catalyst 3K-X Network Module Blank Spare						
Power Supplies and Fan for the Catalyst 3750-X Series							
C3KX-PWR-350WAC=	Catalyst 3K-X 350W AC Power Supply	NOTE: Please refer to the Pricing Tool for IOS Upgrade options and models					
C3KX-PWR-715WAC=	Catalyst 3K-X 715W AC Power Supply						
C3KX-PWR-1100WAC=	Catalyst 3K-X 1100W AC Power Supply						
C3KX-PWR-440WDC=	Catalyst 3K-X 440W DC Power Supply						
C3KX-PS-BLANK=	Catalyst 3K-X Power Supply Blank Spare						
C3KX-FAN-23CFM=	Catalyst 3K-X Fan Module Spare						
StackWise Cables (All Catalyst 3750 Models include CAB-STACK-50CM=)							
CAB-STACK-50CM=	Cisco StackWise 50CM Stacking Cable						
CAB-STACK-1M=	Cisco StackWise 1M Stacking Cable						
CAB-STACK-3M=	Cisco StackWise 3M Stacking Cable						
StackPower Cables (Catalyst 3750 Models with IP Base include CAB-SPWR-30CM=)							
CAB-SPWR-30CM=	C3750X Stack Power Cable 30 CM Spare						
CAB-SPWR-150CM=	C3750X Stack Power Cable 150 CM Spare						

Layer 2 / 3 Gigabit Ethernet Switches - Catalyst 3560-X Series		Default PoE/PoE+ Power - Order 2nd power supply to support additional PoE/PoE+ ports					
Catalyst 3560-X Series	**# of Access Ports**	**Optional Uplinks**	**PoE (15.4W)**	**PoE/PoE+ Power**	**PoE+ (30W)**	**Stackable**	**Cisco IOS**
WS-C3560X-24T-L	24 10/100/1000 Ethernet ports, 350W AC	Choice of 4 x 1 GE or 2 x 10 GE Links (Ordered Separately)	-	-	NO	Standalone	LAN Base
WS-C3560X-48T-L	48 10/100/1000 Ethernet ports, 350W AC		-	-			LAN Base
WS-C3560X-24P-L	24 10/100/1000 Ethernet PoE+ports, 715W AC		28	435W	YES		LAN Base
WS-C3560X-48P-L	48 10/100/1000 Ethernet PoE+ ports, 715W AC		28	435W			LAN Base
WS-C3560X-48PF-L	48 10/100/1000 Ethernet PoE+ ports, 1100W		48	800W			LAN Base
WS-C3560X-24T-S	24 10/100/1000 Ethernet ports, 350W AC		-	-	NO		IP Base
WS-C3560X-48T-S	48 10/100/1000 Ethernet ports, 350W AC		-	-			IP Base
WS-C3560X-24P-S	24 10/100/1000 Ethernet PoE+ ports, 715W AC		28	435W	YES		IP Base
WS-C3560X-48P-S	48 10/100/1000 Ethernet PoE+ ports, 715W AC		28	435W			IP Base
WS-C3560X-48PF-S	48 10/100/1000 Ethernet PoE+ ports, 1100W		48	800W			IP Base
Network Modules 3560-X Series (Order choice of 1 GE or 10 GE Uplinks Seperately)							
C3KX-NM-1G=	Catalyst 3K-X 1G Network Module Spare						
C3KX-NM-10G=	Catalyst 3K-X 10G Network Module Spare						
C3KX-NM-BLANK=	Catalyst 3K-X Network Module Blank Spare						
Power Supplies and Fan for the Catalyst 3560-X Series							
C3KX-PWR-350WAC=	Catalyst 3K-X 350W AC Power Supply	NOTE: Please refer to the Pricing Tool for IOS Upgrade options and models					
C3KX-PWR-715WAC=	Catalyst 3K-X 715W AC Power Supply						
C3KX-PWR-1100WAC=	Catalyst 3K-X 1100W AC Power Supply						
C3KX-PWR-440WDC=	Catalyst 3K-X 440W DC Power Supply						
C3KX-PS-BLANK=	Catalyst 3K-X Power Supply Blank Spare						
C3KX-FAN-23CFM=	Catalyst 3K-X Fan Module Spare						

Cisco Catalyst 2960 and 2960-S Series Only		
Functions	**LAN Lite**	**LAN Base**
Layer 2	▪ **Entry-level access Layer 2** Basic Layer 2 access features, including 802.1Q trunking, (M)STP, STP extensions, Cisco Discovery Protocol, DTP, UDLD, VTPv2, PAGP/ LACP, LLDP, storm control and **LLDP-MED**	▪ **Enterprise Access Layer 2** deployments, including FlexLinks and VTPv3 Wide range of Layer 2 access features for enterprise
Layer 3	▪ **No routing support** Support for Layer 3 management interface	▪ **Static routing support** **Support for SVIs with up to 16 IPv4 routes**
Manageability	▪ **Entry-level manageability** Express setup, Cisco Device Manager, RMON, SPAN, TDR, SNMPv3 (with cryptography), Auto Smart Ports, and Smart Install client	▪ **Basic manageability** Support for a wider range of MIBs, IPSLA Responder, and RSPAN
Security	▪ **Entry-level access security** SSH v2 server, SSL, HTTPS, SCP, TACACS+, RADIUS, port security, 802.1x (with guest VLAN), MAB, private VLAN edge, NAC, and **DHCP snooping**	▪ **Enterprise access security** IPSG, DAI, PACLs, Cisco Identity 4.0, 802.1x features, and **RACLs**
QoS	▪ **Entry-level access QoS** Port CoS Trust and Override, Ingress and egress queuing, scheduling, Priority Queuing, and SRR	▪ **Enterprise access QoS** Ingress policing, Trust Boundary, AutoQoS, and DSCP mapping
LAN Base feature set includes all LAN Lite features		

	Catalyst 3X-X Series Only	All Catalyst 3K Series	
Functions	**LAN Base**	**IP Base**	**IP Services**
Layer 2+	▪ **Enterprise access Layer 2** Wide range of Layer 2 access features for enterprise deployments	▪ **Complete Access Layer 2** Supports all Cisco Catalyst 2000 and Catalyst 3000 Layer 2 features, including hot standby protocols; supports Cisco StackPower™ technology (Cisco Catalyst 3750-X)	
Layer 3	▪ **No routing support** Support for SVI with no IP routing support	▪ **Enterprise access Layer 3** RIP, static and PIM stub, EIGRP Stub, OSPF for routed access	▪ **Complete access Layer 3** OSPF, EIGRP, BGP, IS-IS VRF-lite, WCCP, and PBR
Manageability	▪ **Basic manageability** Support for a wide range of MIBs, IPSLA Responder, and RSPAN	▪ **Enterprise access Layer 3** Gold-Lite, EEM and Smart Install Director	▪ **Complete access Layer 3** EEM and IPSLA Initiator
Security	▪ **Enterprise access security** DHCP Snooping, IPSG, DAI, PACLs, Cisco Identity 4.0, NAC and 802.1x features	▪ **Complete access security** Router and VLAN ACLs, private VLANs, complete identity and security, TrustSec SXP, and IEEE 802.1AE (Cisco Catalyst 3560-X and Catalyst 3750-X)	
QoS	▪ **Enterprise access QoS** Ingress policing, Trust Boundary, AutoQoS, and DSCP mapping	▪ **Complete access QoS** Support for all Cisco Catalyst 2000 and Catalyst 3000 QoS features, including per-VLAN policies	
IP Services feature set includes all IP Base features. IP Base feature set includes all LAN Base features			

Limited Lifetime Warranty #	**Enhanced LLW #**	**Software Update Policy**
Catalyst 3K, 3K-G, 3K-E and C2960	Catalyst 3K-X and C2960-S	All Catalyst 3K and 2K Series
▪ 5 years on Power Supplies and Fans; Lifetime on switch ▪ 10 Business Days Advanced Hardware Replacement ▪ Hardware Warranty ends five years after product reaches End-of-Sale	▪ Limited Lifetime Warranty PLUS ▪ Next Business Day Advanced Hardware Replacement ▪ 90-Days TAC Support (Mon-Fri, 8 AM-5 PM) ▪ Hardware Warranty ends five years after product reaches End-of-Sale	▪ Unlimited FREE updates to the latest IOS release within the same IOS service level (e.g. LAN Base to LAN Base, IP Base to IP Base) ▪ Applicable to LAN Lite, LAN Base and IP Base Images. No service contract is required ▪ IP Services IOS service level requires a service contract ▪ Software enhancements end 6-12 months after product reaches End-of-sale ▪ Software upgrade to the next IOS service level (e.g.) LAN Base to IP Base, IP Base to IP Services) is a chargeable upgrade at additional cost

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