

IS230 Series L2 Gigabit Access Switch

Datasheet

Overview

IS230 Series L2 gigabit management access switch is developed for the Enterprise, Carrier and SMB market. It provides the stable, reliable and secure high-performance switching service for high-speed internet. IS230 series provides the perfect solutions in the aspects of multi- service capability, security, reliability, management and maintenance. IS230 series can provide the low-cost, high-performance, and easy-management solutions for the enterprise and carrier network access.



IS230 series L2 gigabit access switch

IS230-10TF-AC provides 8*10/100/1000M electric ports and 2*1000M SFP interfaces, AC Power Supply.

IS230-18TF-AC provides 16*10/100/1000M electric ports and 2*1000M SFP interfaces, AC Power Supply.

IS230-28TF-AC provides 24*10/100/1000M electric ports and 4*1000M SFP interfaces, AC Power Supply.

IS230-10TP-AC provides 8*10/100/1000M electric ports and 2*1000M SFP interfaces, 150W PoE&PoE+ enable, AC Power Supply.

IS230-20TP-AC provides 16*10/100/1000M electric ports and 4*1000M SFP interfaces, 260W PoE&PoE+ enable, AC Power Supply.

IS230-28TP-AC provides 24*10/100/1000M electric ports and 4*1000M SFP interfaces, 380W PoE&PoE+ enable, AC Power Supply.

IS230-54TXP-AC provides 48*10/100/1000M electric ports and 4*1G/10G SFP+ interfaces, 380W PoE&PoE+ enable, AC Power Supply.

Technical Specifications

Product Model	IS230-10TF-AC IS230-18TF-AC IS230-28TF-AC	IS230-10TP-AC IS230-20TP-AC IS230-28TP-AC IS230-54TXP-AC
Product configuration		
Structure	Desktop	Desktop
Access port	8*10/100/1000M Base-T (IS230-10TF) 16*10/100/1000M Base-T (IS230-18TF) 24*10/100/1000M Base-T (IS230-28TF)	8*10/100/1000M Base-T (IS230-10TP) 16*10/100/1000M Base-T (IS230-20TP) 24*10/100/1000M Base-T (IS230-28TP) 48*10/100/1000M Base-T (IS230-54TXP)
Uplink Port	2*1000M SFP (IS230-10TF) 2*1000M SFP (IS230-18TF) 4*1000M SFP (IS230-28TF)	2*1000M SFP (IS230-10TP) 4*1000M SFP (IS230-20TP) 4*1000M SFP (IS230-28TP) 4*1G/10G SFP+ (IS230-54TXP)
Performance parameter		
Switching capability (Gbps)	20Gbps (IS230-10TF) 36Gbps (IS230-18TF) 56Gbps (IS230-28TF)	20Gbps (IS230-10TP) 40Gbps (IS230-20TP) 56Gbps (IS230-28TP) 176Gbps (IS230-54TXP)
Throughput (Mpps)	14.8Mpps (IS230-10TF) 26.8Mpps (IS230-18TF) 41.6Mpps (IS230-28TF)	14.8Mpps (IS230-10TP) 29.7Mpps (IS230-20TP) 41.6Mpps (IS230-28TP) 131Mpps (IS230-54TXP)
PoE&PoE+ Budget	N/A	150W (IS230-10TP) 260W (IS230-20TP) 380W (IS230-28TP) 380W (IS230-54TXP)
Buffer	4.1Mbit	4.1Mbit
Jumbo frames	9KBytes	9KBytes
MAC entries	8K	
VLAN	4K	
Link Aggregation	8	
QinQ	Yes	
Queue/Port	8	
Multicast groups	512	
Standards & Protocols		
L2 protocol	VLAN, Private VLAN, Voice VLAN, GVRP, MSTP, BPDU guard, Traffic control, broadcast storm suppression, external loop detection, link aggregation, 1:1 port mirroring, LLDP, Aging time and add/remove static MAC, mac-address management 1:1 and N:1 VLAN mapping	
Multicast	IGMP compatible, IGMP Snooping, Fast leave, multicast VLAN, MLD	
QoS	Each port supports 8 queues Supporting 802.1p/TOS/DSCP priority and mapping Port speed limitation and traffic monitoring Queue scheduling: SP, WRR, SP+WRR Rate Limit, Bandwidth control based on port Storm Control	
Application protocol	FTP, TFTP, HTTP, SNTP, DNS Client, DHCP Client, DHCP Snooping, Option82	

Security mechanism	Supporting 802.1X and Guest VLAN, MAC-based authentication Port isolation, Error-disable, Port Security, IP/MAC/Port/VLAN binding manually MAC address binding and MAC quantity limitation ARP packet speed limitation, ARP Guard, ARP Inspection, Standard ACL, extended ACL IP Source Guard	
Management	Shell, Web, Telnet, SSH, SNMP, ROM, AAA, Radius, Logging, Syslog, Ping, Trace Route, Link Detection	
IEEE standards	IEEE 802.3u (100BASE-T) IEEE 802.3z (1000BASE-X) IEEE 802.3ad (LACP)	IEEE 802.3ab (1000BASE-T) IEEE 802.1ad (QinQ) IEEE 802.3x (Flow Control)

Order Information

Product Model	Description
IS230 Series	
IS230-10TF-AC	8*10/100/1000M electric ports and 2*1000M SFP interfaces, AC Power Supply.
IS230-18TF-AC	16*10/100/1000M electric ports and 2*1000M SFP interfaces, AC Power Supply.
IS230-28TF-AC	24*10/100/1000M electric ports and 4*1000M SFP interfaces, AC Power Supply.
IS230-10TP-AC	8*10/100/1000M electric ports and 2*1000M SFP interfaces, 150W PoE&PoE+ consumption, AC Power Supply.
IS230-20TP-AC	16*10/100/1000M electric ports and 4*1000M SFP interfaces, 260W PoE&PoE+ consumption, AC Power Supply.
IS230-28TP-AC	24*10/100/1000M electric ports and 4*1000M SFP interfaces, 380W PoE&PoE+ consumption, AC Power Supply.
IS230-54TXP-AC	48*10/100/1000M electric ports and 4*1G/10G SFP+ interfaces, 380W PoE&PoE+ consumption, AC Power Supply.

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