Cx2010p Gigabit Managed Switch

Access /Aggregation Switch

Introduction

The Cx2010P switch is a Gigabit Ethernet access switch with two 1G SFP uplink ports. The switch is an ideal Gigabit PoE access switch for SMB, enterprise, and campus networks. The switch is packed with features that bring high availability, comprehensive security, robust multicast control, and advance QoS to the network edge. The Cx2010P series is ideal as an access PoE switch for enterprise or campus access networks supporting up to 120-Watt POE power budget.

Features

- 8x 1G RJ-45 PoE+ Ports
- 2x 1G SFP Ports
- 2x 1G SFP Ports

Specifications

Items		Cx2010p
PORT	10/100/1000M BASE-T RJ45	8 ports
	1G SFP	2ports
	GE out-of-band management ports	1
	console RJ45 ports	1
	Power over Ethernet	IEEE802.3af/at, 120W power budget
Performance	Flash memory	32MB
	DDRIII capacity	128MB
	MAC address table size	8K
	ARP table size	1K
	Jumbo frames	9KB
	Switching capacity	20Gbps
	Auto-negotiation	Yes
	Auto-MDI/MDIX	Yes
Power supply	Inputrange	53V/1.5A
	System power consumption	150W
LED	Port LED	Green: link/active Yellow: speed Yellow: PoE
Mechanical	Dimension (W x D x H) mm	320 * 208 * 43.6
Environment	Operating Temperature	0º to 50ºC
	Storage Temperature	-40º to 70ºC
	Operating Humidity (non-condensing)	10% to 90%
	Storage Humidity (non-condensing)	10% to 90%
Certifications	FCC Class A	Yes
	CE	Yes
	Safety Compliance: CB	Yes
	Safety Compliance: UL	Yes

Order Information

Items		Cx2010P
L2 Faetures	VLAN	4K VLANs IEEE 802.1Q VLAN Port-based VLANs Protocol-based VLANs IP subnet-based VLANs MAC-based VLANs QinQ
	Link aggregation	Static Link Aggregation IEEE 802.3ad LACP IP address and MAC address-based load balancing policies
	Redundancy Protocols	Eppes Stopp/Rustop/Meestep Flex Link Monitol Link Distal loop detection
	ACL	Standard and Extended ACLs TimeRange-based ACLs Traffic classification and flow definition based on IP header information, such as source/destination MAC addresses, VLANs, 802.1p, ToS, DiffServ, source/destination IP addresses, TCP/UDP port numbers, and protocol types IPv4/IPv6 ACL
	QOS	Limit the speed of receiving and sending packets based on ports or custom streams Packetsmirroring and redirection based on port or custom streams Priority marking based on port or custom streams, and providing remark capability for 802.1P and DSCP priorities Advanced queue scheduling based on port or custom streams, supporting 8 priority queues per port, providing queue scheduling algorithms such as SP, WRR, SP+WRR
	IGMP	IGMPv1/v2/v3 Snooping IGMP Filter MVR multicast VLAN registration and cross-VLAN multicast replication IGMP Fast leave
	Port Control	Broadcast/Multicast/Unknown Unicast Storm Control Bidirectional bandwidth control of the port Port mirroring Real-time traffic statistics, utilization, and packet sending and receiving statistics on ports 9K Jumbo ultra-long frame forwarding
	Security	ARP-spoofing ARP-flooding IP-Source-Guard Port Isolation MAC address binding to port and port MAC address filtering IEEE 802.1x User Port and MAC Authentication RADIUS/TACACS+ Defend against DOS attacks and virus attacks SSHv2 Secure Shell SNMP v3 Telnet login and password mechanism for Security IP Hierarchical user protection to prevent unauthorized users from unauthorized intrusion ARP traffic detection based on the MAC address of each user ARP packet suppression or user blocking based on ARP traffic detection Manually bind parameters such as IP address, VLAN ID, MAC address, and port L2-L7 ACL flow filtering Port broadcast/multicast packet suppression and automatic shutdown of dangerous ports DHCP Option 82 and PPPoE+ tags upload the user's physical location information DHCP -Snooping
	IPv6	IPv4/IPv6 Dual Protocol Stack, HTTPoverIPv6、SSH overIPv6、Telnet
	Management	CLI, Console, Telnet, and SSH configuration management WEB MANAGEMENT SNMP V1/V2c/V3 management RMON (Groups 1, 2, 3 & 9) MIB II DHCP Client FTP/TFTP SNTP LLDP Ethernet OAM (802.3ah EFM and 802.1agCFM) Ping, Traceroute Syslog

Order Information

Model	Description
Cx2010p	8-port RJ45 + 2-port SFP Full Gigabit Ethernet Switch with PoE/PoE+.