

IXA-24G-L2M-4CP4 / IXA-24G-L3M-4CP4



Overview

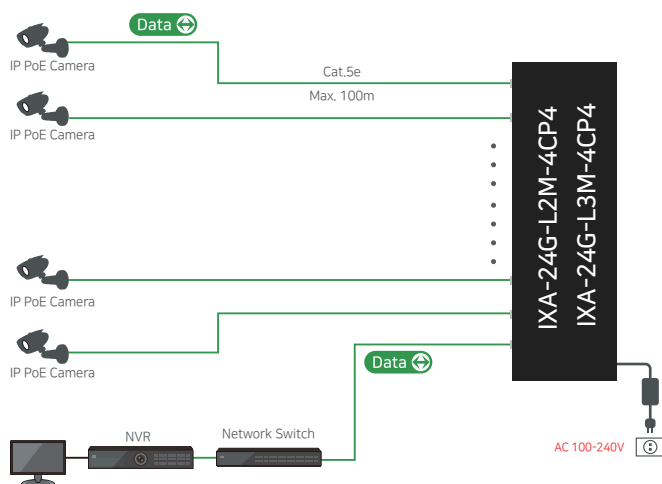
The product, a L2/L3 Managed PoE Switch, offers 24*10/100/1000 BASE-T PoE Ports, with 4 Gigabit RJ45 and 4 SFP Combo Uplink Ports, It provides high-performance, powerful and abundant L2/L3 Switching functions like static routing, enterprise-level QoS, advanced security strategies and a bundle of ISP Features, The IP-MAC-Port Binding (IMPB) And Access Control List (ACL) functions protect against broadcast storm, ARP and Denial-of-service (DOS) attacks, etc, Quality of Service (QoS, L2 to L4) enhance traffic management capabilities to move your data smoother and faster, and advanced EPRS looping technology to improve the rapid self-recovery capability outdoor IP surveillance and wireless network applications.

19 inch size Metal shell supports 1U rack-mountable installation, along with the easy-to use CLI web management interfaces, this product provides a reliable, secure solution for enterprise, campus and ISP networks requirement.

Features

- 24 x 10/100/1000BASE-T PoE ports with 4 x GE + 4 x SFP Combo Uplink
- 450W PoE Power Budget
- Static Routing, DHCP server and MSTP
- Link Aggregation Control Protocol (LACP)
- Default button for recovery factory setting
- Layer 2 management and security with Layer 3 capabilities
- Automatic detect the stuck IP Cameras, and Reboot IPC (other PDs)
- Support short-circuit protection and Over-current protection
- Intelligent PoE Port Priority to protect switches in over-loading status
- L2/L3/L4 QoS and IGMP snooping optimize voice and video application
- WEB/CLI managed modes, SNMP, bring abundant management features

Connection Diagram



► Transmission distance may vary depending on the type and quality of cable.

Specification

Hardware Specifications : IXA-24G-L2M-4CP4 / IXA-24G-L3M-4CP4		
Ports description	PoE port	1-24 port: 10/100/1000Mbps PoE
	Uplink port	25-28 port: Gigabit RJ45 SFP Slots Combo
PoE power output	PoE Power Budget	450W
	Max PoE Port output	30W
Performance specification	Backplane Bandwidth	56Gbps
	Packet forwarding rate	41.7Mpps
	MAC address	16k
	Jumbo Frame	12k Bytes
Processing types	Store and forward	
Physical Security Lock	Yes	
Power Supply	AC 100~240V, 50/60Hz	
LED indicators	PWR/ Link/Act Power (power indicator), Link/Act (link/activity indicator)	
Transmission mode	IEEE802.3x Full-duplex and Backpressure half-duplex	
Default Recovery	Hold on Default button for 10 seconds to recovery factory setting	
Network standard	IEEE802.3i 10 BASE-T	
	IEEE802.3u 100 BASE-TX	
	IEEE802.3ab 1000 BASE-T	
	IEEE802.3z 1000 BASE-T Fiber	
	IEEE802.3x Flow Control	
	IEEE802.1p LAN layer 2 QoS/CoS protocol for traffic priority (multicast filtering)	
	IEEE802.1q VLAN	
	IEEE802.1d STP Spanning tree	
	IEEE802.1w RSTP Spanning tree	
	IEEE802.3af Power over Ethernet	
	IEEE802.3at Power over Ethernet	
	Dimensions	440mm(L) * 285mm(W) * 44mm(H)
Cable Requirement	UTP cat 5 or above	
Environment specification	Operating temperature: -10°C~45°C,	
	Operating humidity: 10%~90%	
	Storage temperature: -20°C~70°C, Storage humidity: 5%~95%	
Software Specifications : IXA-24G-L2M-4CP4 / IXA-24G-L3M-4CP4		
Quality of Service	Support 802.1p CoS/DSCP priority	
	Support 4 priority queues	
L2 Features	Queue scheduling: SP, WRR, SP+WRR	
	Port/Flow-based Rate Limiting	
	IGMP Snooping V1/V2/V3	
	Spanning Tree: STP/RSTP/MSTP	
	Port Isolation	
	BPDU filtering/guard	
	TC/Root protect	
	Loop back detection	
	802.3x Flow Control	
	802.3ad LACP	
L3 Features	Wire-speed IP Forwarding	
	Static Routing	
	RIP V1, V2	
	DHCP Server/Relay	
VLAN	APR Proxy	
	Supports up to 4K VLANs simultaneously (out of 4K VLAN IDs)	
	Port/ MAC/Protocol-based VLAN Management VLAN configuration	
Access Control List	L2~L4 package filtering based on source and destination MAC, IP address, TCP/UDP ports, 802.1p, DSCP, protocol and VLAN ID	
	Time Range Based	
Security	IP-MAC-Port-VID Binding	
	IEEE 802.1X Port/MAC Based authentication, Radius, Guest VLAN	
	DoS Defense	
	Dynamic ARP inspection (DAI)	
	SSH v1/v2	
	SSL v2/v3/TLSv1	
	Port Security	
	Broadcast/Multicast/Unknown-unicast Storm Control	
Management	Web-based GUI and CLI management	
	SNMP v1/v2c/v3, Compatible with public MIBs DHCP/BOOTP Client, DHCP Snooping, DHCP Option82	
	CPU Monitoring	
	Port Mirroring	
	Time Setting: SNTP	
	Integrated NDP/NTDP feature	
	Firmware Upgrade: TFTP & Web	
	System Diagnose: VCT	
	SYSLOG & Public MIBs	