

## IGS-2016W-v2 (320)



- Provides 16 \*Gigabit PoE RJ45 ports, 4\* Gigabit uplink SFP ports;
- Provides web-based layer 2 network management and PoE management by simple operation;
- Supports high-speed data forwarding, very suitable for large flow of video data forwarding in security surveillance;
- Supports Fast-Ring;
- Supports temperature-controlled fan;
- Quick Installation, simple operation, convenient for wall/desk/rack installation.

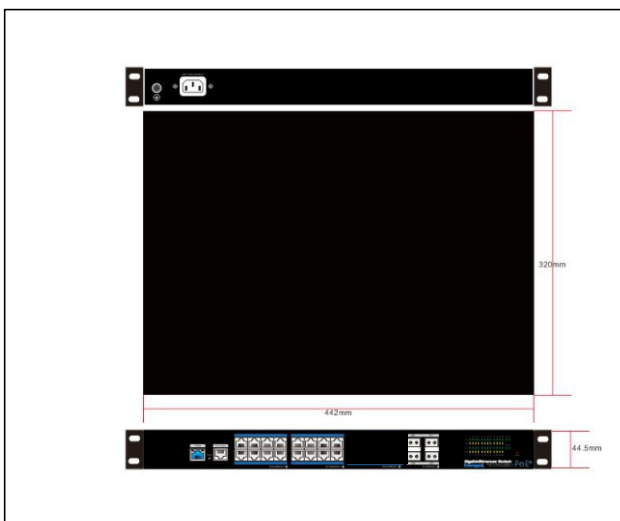


## Introduction

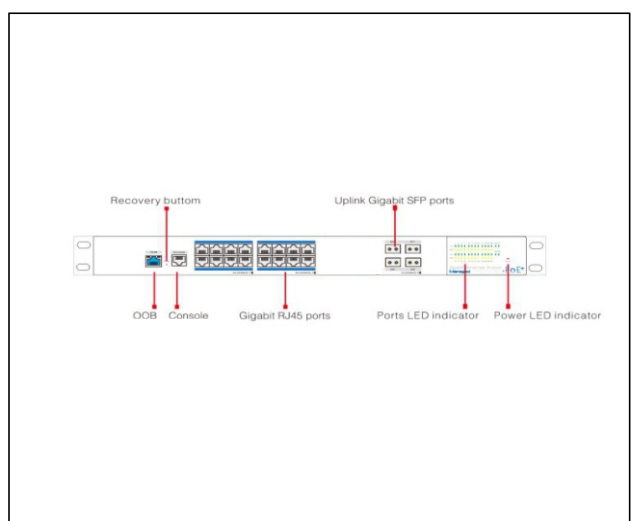
The IGS-2016W-v2 (320) is a L2 managed PoE switch, which provides 16\* Gigabit PoE downlink ports, 4\* Gigabit SFP uplink ports. The switch complies with IEEE 802.3 af/at (PoE+), the total PoE power budget can be up to 270W which is adequate to power supply for HD IP camera and Gigabit wireless access point, makes it an ideal choice for HD security surveillance network and high-speed wireless network construction projects.

It supports abundant L2 functions such as PoE management, 802.1Q VLAN, DHCP snooping, 802.1x Authentication, Dual IPv4/IPv6 stack, IGMP Snooping, STP/RSTP, Link Aggregation (Dynamic and Static), ACL, Port mirroring, SNMP v1/v2/v3, etc. It also supports multiple configuration modes, such as Web, CLI and SNMP, and multiple access methods, including HTTP, HTTPS, Telnet and SSH V2. Due to the advanced L2 functions such as ACL and MAC binding VLAN function, the switch and compliant devices can be protected against broadcast storms, which guarantees a safe operation. Quality of Service (QoS) ensures stable and smooth data transmission.

## Physical Features



## Interface drawing



## Specification

### Hardware Features :

Item	IGS-2016W-v2 (320)
Copper Ports	16* 10/100/1000Base-T PoE RJ45(Auto-MDI/MDI-X)
SFP Ports	4*1000 Base-X SFP(Mini-GBIC)
Console Port	1*RJ45-R232 serial port(115200, 8, N, 1)
OOB Port	1*10/100Base-TX RJ45(only used to Web management) default IP:192.168.1.200 name:admin password:admin)
Init button	Short press:restart; >5s Press: restore factory settings.
Network Standard	IEEE802.3 , IEEE802.3u, IEEE802.3ab, IEEE802.3Z, IEEE802.3X, IEEE 802.1Q IEEE 802.1p IEEE 802.3ad , IEEE 802.1D, IEEE 802.1X
Exchange Capacity	40Gbps / non-blocking
Packet Forwarding Rate	29.8Mpps
Operation Method	Store and Forward
Buffer Memory	12Mbit
MAC Address Table	16K MAC address table with auto learning function
Jumbo Frame	10K bytes
PoE Standard	IEEE802.3af 15.4W, IEEE802.3at 30W
PSE Type	End-span
Power Pin Assignment	1/2(+), 3/6(-)
Power Supply	Internal power adapter AC 100-240V 50/60Hz
Power Consumption	<290W (PoE consumption) PoE budget: 270W
Lightning protection	6kV Execute: IEC61000-4-5
ESD	6kV: Contact discharge 8kV: Air discharge Execute: IEC61000-4-2
Work temperature	-10~50°C
Storage temperature	-40~85°C
Humidity	5%~95%(Non-condensation)
Dimension (L×W×H)	442mm×320mm×44.5mm
Weight	4.35kg
Certificates	CE, FCC, ROHS

## Specification

### Software Features :

Item		IGS-2016W-v2 (320)	
Interface Management		Support port isolation	
		Support port rate settings	
		Support port storm suppression	
		Support IEEE802.3x flow control	
		Support port traffic statistics	
		Support auto negotiation	
	Logic Interface	Loopback detection	
VLAN	VLAN Partition	VLAN based on port, VLAN based on MAC, GVRP, QinQ	
		Protocol VLAN, Private VLAN, multicast VLAN	
	VLAN Communication	VLAN intercommunication	
		VLAN isolation	
VLAN Port Type	Access, Hybrid		
MAC	Static MAC		
	MAC Black hole		
	Dynamic MAC	MAC address aging configuration	
		MAC address learning limit	
Multicast MAC	Static Multicast MAC address		
Link Aggregation	Dynamic Aggregation		
	Static Aggregation		
Loopback Protection	STP/RSTP, ERPS v1, v2 (G.8032)		
IP Features	IP address : Classful IP address, classless IP address		
	IPv6 address configuration		
DHCP	Host DHCP service	DHCP pool	
	DHCP relay	DHCP snooping option 82	
IGMP Features	IGMP snooping		
	GMRP		
QoS	Support 802.1p CoS/DSCP priority		
	Support 8-Level priority management for switching		
	Support WRR, PQ, DRR, WFQ, ACL based on ports and queues		
PoE Management	Support total power consumption control		
	Support PoE ON/OFF		
	Support single port 30W max. Power change and port output priority		

Safety Character	802.1x	IEEE 802.1X Port/MAC based authentication, Radius
		Support MAC address auto-learning, aging& filter
		Support port isolation, port speed-limited
	ACL	Basic ACL, advanced ACL
	System Log	Local system log management Remote System Log Management
Mirroring	Port mirroring	
System Management& Maintenance	Support WEB-based management, including HTTP and HTTPS Support CLI-based management Configuration through Telnet, SSH V2	
	Tracert v4	
	SNMPv1/v2/v3 management SNMP Trap	
	Support TFTP-client	
	NTP/SNTP	
	Link layer discovery protocol (LLDP)	
IPv6	Dual IPv4/IPv6 stack	
	Ping IPv6, WEB IPv6	
	ICMPv6	
	DHCPv6 snooping, DHCPv6 client	
	IPv6 ACL	

## Package List

Designation	Quantity
IGS-2016W-v2 (320)	1
AC Power Line	1
Accessories	1
User Manual	1

## Related Products

Designation	Model