



DATASHEET
CY-S2008-150

Data sheet
S2008-150

8 Ports Full Gigabit PoE Managed Switch

Full Gigabit L2 Management



- ☒ Provide 8*10/100/1000Base-T Ethernet ports(PoE), 4*10/100/1000BASE-T Ethernet ports and 2*gigabit SFP ports (Combo);
- ☒ Buffer reaches 4Mbit, Support 4K high-definition video transmission;
- ☒ PoE function: support IEEE802.3 af / at standard, each port supports max. 60W PoE output;
- ☒ Support Web-based network management, support VLAN, QoS, RSTP, SNMP etc. network function;
- ☒ One-key CCTV, 1~8 downlink ports only can communicate with uplink ports in CCTV mode, which can restrain network storm;
- ☒ 6KV surge immunity, 8KV ESD protection and ant interference ability;
- ☒ Quick installation, easy operation, convenient for desktop and standard 19-inch rack installation.

Introduction

With 8 Gigabit PoE+ Ethernet ports, 4 Gigabit uplink Ethernet ports, and 2 Gigabit optical SFP ports (Combo ports) is a full Gigabit managed Ethernet Switch. The switch provides up to 4Mbit cache, Support 4K high-definition video transmission. Besides, the 8 downlink PoE ports support IEEE802.3af/at standard. PoE output power of single port is up to 60W and total output power is up to 135W. It features total power display, one-key CCTV mode, Web-based PoE management, and L2 characteristics, such as VLAN, QoS, STP, etc. It fully satisfies the needs of security video surveillance and Ethernet project.

Specification

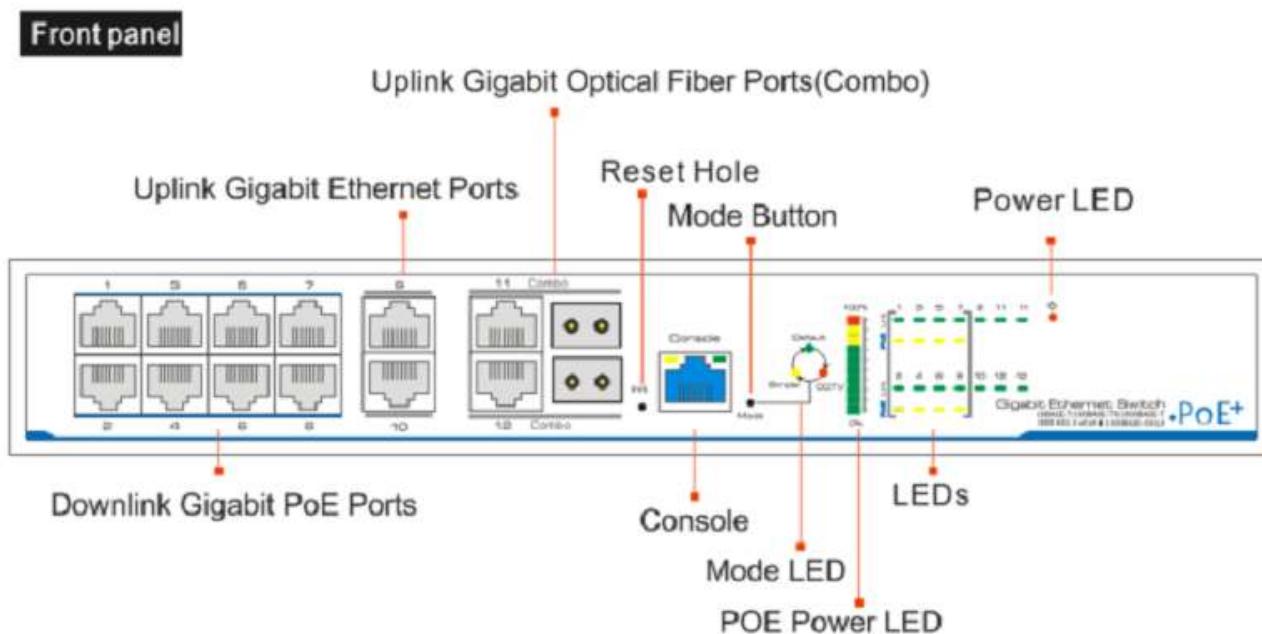
Model	S2008-150
Downstream Ports	8 * 10 / 100 / 1000 Base-TX (PoE)
Uplink Ports	4 * 10 / 100 / 1000 Base-TX and 2 * Base-X/SFP (combo)
Network Standard	IEEE802.3, IEEE802.3u, IEEE802.3ab, IEEE802.3z, IEEE802.3X, IEEE802.1Q, IEEE802.1p, IEEE802.3ad, IEEE802.1D, IEEE802.1X
Switch Capacity	24 Gbps
Packet Forwarding Rate	18 Mpps
Switch Processing Scheme	Store and Transfer
Packet Buffer	4M
MAC Table	8K
PoE Standard	802.3af / at (PSE)
PSE Type	End span
Power Pin Assignment	1/2(+), 3/6(-)
PoE Power Output	PoE output of single port <60W (54 VDC); PoE output of total machine < 135W (default Port1 output max 60W, Port2-8 max 30W. Can be changed via software)
PoE Budget	150 watts max
Lightning protection	6kV Execute: IEC61000-4-5
ESD	6kV Contact discharge 8kV Air discharge Execute: IEC61000-4-2
Power Supply	100-240 V AC @ 50/60 Hz
Power Dissipation	< 150 W (Including PoE)
Work temperature	-10 °C ~ 55 °C
Storage temperature	-40 °C ~ 85 °C
Humidity (Non-condensing)	5% - 95%
Dimension (L×W×H)	280 mm x 180 mm x 44.5 mm
Weight	1.5 kg
Regulator	CE, FCC, ROHS

Software parameters

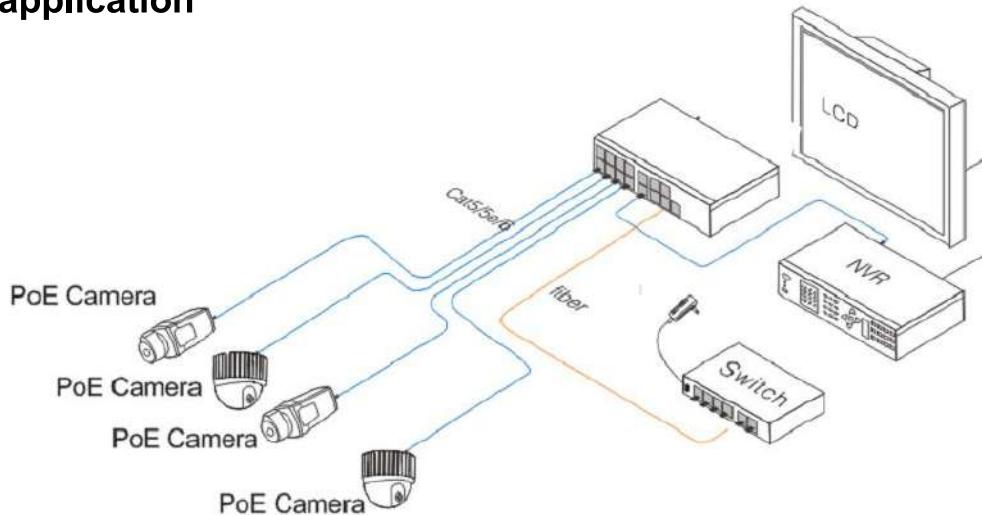
	<ul style="list-style-type: none"> <input type="checkbox"/> Support port enable/disable <input type="checkbox"/> Support port rate settings <input type="checkbox"/> Support port full-duplex mode <input type="checkbox"/> Support IEEE802.3X Flow control <input type="checkbox"/> Support port name change
Port Management	<ul style="list-style-type: none"> <input type="checkbox"/> Support 4k VLAN <input type="checkbox"/> Support 802.1Q protocol-based VLAN <input type="checkbox"/> Support port-based VLAN
VLAN	<ul style="list-style-type: none"> <input type="checkbox"/> Support QoS <input type="checkbox"/> Support 8-Level priority management for switching <input type="checkbox"/> Support WRR <input type="checkbox"/> Support 820.1P and DSCP priority
QoS	<ul style="list-style-type: none"> <input type="checkbox"/> Support SNMP V1/V2/V3 protocol <input type="checkbox"/> Support IGMP Snooping
Multicast Management	<ul style="list-style-type: none"> <input type="checkbox"/> Support total power consumption control <input type="checkbox"/> Support PoE ON / OFF <input type="checkbox"/> Support Single port 60W/30W max power change and port output priority
PoE Management	<ul style="list-style-type: none"> <input type="checkbox"/> Support IP, MAC, port, VLAN combination and binding <input type="checkbox"/> Support MAC address auto-learning, aging & filter <input type="checkbox"/> Support port isolation, port speed-limited <input type="checkbox"/> Support RSTP <input type="checkbox"/> Support 5 groups of 8-port trunk <input type="checkbox"/> Support RADIUS authentication & 802.1X authentication
Safety Character	<ul style="list-style-type: none"> <input type="checkbox"/> Support WEB management, CLR Settings and telnet settings <input type="checkbox"/> Support CLR Settings <input type="checkbox"/> Support FTP/TFTP/HTTP web upgrading <input type="checkbox"/> Support flow calculate <input type="checkbox"/> Support MAC address form search <input type="checkbox"/> Support IP address, DNS server change <input type="checkbox"/> Support username & password change <input type="checkbox"/> Support history record, journal management <input type="checkbox"/> Support system settings backup <input type="checkbox"/> Support factory default settings and restart
System Management & Maintenance	<ul style="list-style-type: none"> <input type="checkbox"/> Support WEB management, CLR Settings and telnet settings <input type="checkbox"/> Support CLR Settings <input type="checkbox"/> Support FTP/TFTP/HTTP web upgrading <input type="checkbox"/> Support flow calculate <input type="checkbox"/> Support MAC address form search <input type="checkbox"/> Support IP address, DNS server change <input type="checkbox"/> Support username & password change <input type="checkbox"/> Support history record, journal management <input type="checkbox"/> Support system settings backup <input type="checkbox"/> Support factory default settings and restart

Designation	Quantity
S2008-150	1
Power Adapter	1
Accessory	1
User Manual	1

Port configuration



Typical application



CYGNUS 
electronics