



DATASHEET
CY-S2008-150-V3

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Industrial 8-Port Gigabit PoE+ 4-Port 10G SFP+ L2 Managed Ethernet Switch 120W max

Overview

The product is Industrial 8-Port Gigabit PoE+ 4-Port 10G SFP+ L2 Managed Ethernet Switch.

This switches provide 8*10/100/1000Mbps Ethernet RJ-45 ports, 4*10Gbps Ethernet SFP+ uplink port. It meets IEEE 802.3af/at standard. All downlink RJ-45 ports support Power-over-Ethernet (PoE+), which can deliver up to 30W power per port.

The switch has extensive L2 management functions, such as MSTP, 802.1Q VLAN, QoS, ACL, IGMP Snooping and ERPS. It can be easily managed via a WEB GUI, CLI (telnet/console), or SNMP. It can be widely used in video security monitoring system, network project, etc.

Features and Highlights

Abundant Interfaces

- 8*10/100/1000Base-T PoE+ RJ-45 ports
- 4*10GBase-X SFP ports
- 1*RJ-45 Console

Industrial Design

- Working temperature:-40~80°C
- Redundant power supply
- Fan-less metal shell design
- DIN-rail/wall mounted/desktop installation

Layer 2 Management Function

- STP/RSTP/MSTP
- 802.1Q VLAN
- QoS
- IGMP snooping
- ERPS



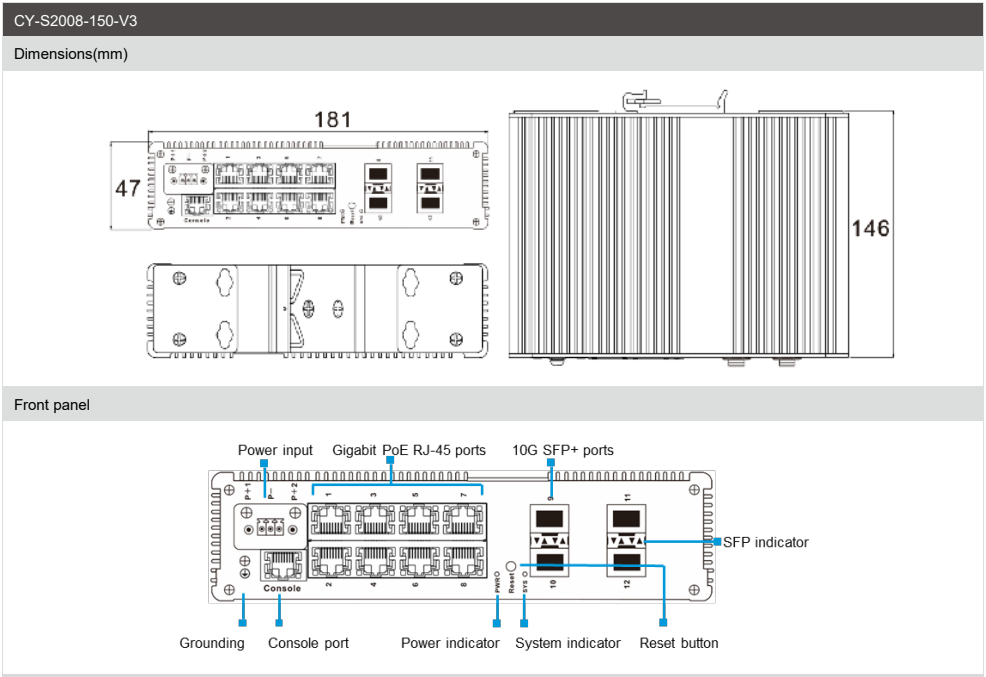
Specifications

Items	CY-S2008-150-V3
Hardware Specifications	
Downlink Port	8*10/100/1000Base-T PoE+ RJ-45(Auto-MDI/MDI-X)
Uplink Port	4*10GBase-X SFP+ (Ports can be set to lower speed via web interface)
Management Port	1*RJ-45 Console
Led Indicators	1*PWR, power supply indicators 1*SYS, system working indicator
Cable	Cat5 or better
Dimensions (W*D*H)	181mm*146mm*47mm
Net Weight	840g
Input Voltage	Power 1 (Main): 10~57V DC, Power 2 (Backup): 10~57V DC
Power Consumption	≤132W (Full load including PoE)
Material	Metal shell
Installation	DIN-rail/Desktop/Wall mounted
Switch Property	
Standards	IEEE 802.3i, IEEE 802.3u, IEEE 802.3ab, IEEE 802.3z, IEEE 802.3af/at
Forwarding Modes	Store and Forward
MAC Table	16k, support auto learning
Switching Capacity	64Gbps / non-blocking
Packet Forwarding Rate	47.6Mpps
Packet Buffer	12M
Jumbo Frame	9k bytes
Power Supply	
PoE Standard	IEEE 802.3af/at
PoE Power Supply Type	End-span
PoE Pin Assignment	1/2(+), 3/6(-)
PoE Budget	30W max for each port, 120W max for whole switch
Reliability	
EMC	Class A
	IEC61000-4-2, Level 4: Contact Discharge: ±15kV, Air Discharge: ±30kV
	IEC61000-4-3, Level 3: 10V/m
	IEC61000-4-4, Level 3: 1kV
Operating	IEC61000-4-5, power: 4kV/2kV(8/20μs), data: 6kV/2kV(10/700μs)
	-40°C~80°C, 5%~95% (Non-condensation)
Storage	-40°C~85°C, 5%~95% (Non-condensation)

Software Architecture

Items	CY-S2008-150-V3
L2 features	Support 4K VLAN
	Support IGMP snooping
	Support STP/RSTP/MSTP
	Support 12 groups trunk
	Support ERPS
	Support Port Mirroring
	Support Storm Control
	Support QinQ
ACL	Support 500 ACL based on MAC extension, IP standard and IP extension
QoS	Support QoS
	Support SP and WRR
System Management& Maintenance	Support WEB management, CLI setting and Telnet setting
	Support SNMP V1/V2c protocol
	Support file upgrading
	Support flow calculate
	Support user management
	Support system log
	Support DDM

Appearances and Dimensions



CYGNUS
electronics

