



- 4-Port 10/100/1000 PoE , 2-Port 1000X SFP
- IP40 Level
- DIN rail installation method
- Redundant dual power supply support
- DC48V-58V input voltage
- -40°C~+75°C operation temperature

4 Port 10/100/1000T 802.3af/at PoE+ 2-Port 1000X SFP Industrial PoE Switch

Industrial-grade PoE+ Switch for Building Automation and Security

Suitable for buildings where security is strictly enforced, CGSHI-502GSFP, with eight Gigabit Ethernet 802.3at PoE+ in-line power interfaces, can easily build a power centrally controlled for an IP phone system, IP surveillance system, and wireless AP group in the harsh Industrial environment. For instance, 4 PoE IP cameras or PoE wireless APs can be easily installed for surveillance demands or a wireless roaming environment in the industrial area can be built. Without the power-socket limitation, the CGSHI-502GSFP makes the installation of IP cameras or wireless APs easier and more efficient.

Perfect Integration Solution for IP PoE Camera and NVR System

The CGSHI-502GSFP provides four 10/100/1000BASE-T 802.3at PoE+ ports which can offer sufficient PoE power to 4 PoE IP cameras at the same time. In addition, with the two 100/1000BASE-X SFP interfaces, the CGSHI-502GSFP can connect to a core fiber switch and send video streams to an NVR and monitoring center. Through the high-performance switch architecture, the CGSHI-502GSFP facilitates the recorded video files from the 4 PoE+ IP cameras to be saved in the NVR systems. Furthermore, the NVR systems can be controlled and monitored in both the local LAN and the remote site via Internet. The CGSHI-502GSFP undoubtedly brings an ideal secure surveillance system at a lower total cost.

<u>Provider Mode Ports</u>	
Fixed Port	2*1000Base-X SFP 4*10/100/1000Base-T PoE
Power Interface	Phoneix Terminal, Redundant Dual Power Supply
LED Indicators	PWR, OPT, NMC, ALM
<u>DIP Switch</u>	
1 C/D	Remote PD Reset
2 LGY	Stand/Non-Standard PoE Mode
3 VLAN	Port Isolation
4 RST	Reset
<u>PoE Support</u>	
PoE Ports	1~4
PoE Protocol	802.3af , 802.3at
Pin Assignment	1,2,3,6
PoE Mode	Standard / Non-Standard are supported
PoE Management	Unsupported
Remote PD Reset	Support
<u>Layer 2 Switching</u>	
Switching Capacity	12Gbps
Packet Forwarding Rate	8.92Mbps
MAC Address Table	8K
VLAN	Unsupported
Buffer	1M
Forwarding Delay	<5us
MDX/MDIX	Support
Flow Control	Support
Jumbo Frame	Support 10Kbytes
WatchDog	Support
Port Isolation	Support

<u>Electrical Specifications</u>	
Input Voltage	DC12-58V(Non-PoE), DC48-58V(PoE)
Total Power Consumption	<6W(Non-Poe); <126W(PoE)
Voltage Alarm	Support
<u>Cable Type & Transmission Distance</u>	
Twisted-pair	0-100m (CAT5e, CAT6)
Monomode Optical Fiber	20/40/60/80/100km
Multimode Fiber	550m
<u>Network Topology</u>	
Ring Topology	Unsupported
Star Topology	Support
Bus Topology	Support
Tree Topology	Support
Hybrid Topology	Support
<u>Envoirement</u>	
Operation Temperature	-40°C~+75°C
Storage Temperature	-40°C~+85°C
Relative Humidity	%5 - %95 non-condensing
Thermal Methods	Fanless, natural cooling
MTBF	100,000 hours
<u>Mechanical Dimensions</u>	
Product Size	143x104x48mm
Installation Method	DIN Rail
Weight	0.6Kg

<u>EMC & Ingress Protection</u>	
IP Level	IP40
Surge Protection of Power	IEC6100-4-5 Level X (6KV/6KV) (8/20us)
Surge Protection of Ethernet Port	IEC6100-4-5 Level X (4KV/4KV) (100/700us)
RS	IEC6100-4-3 Level 3 (10V/m)
EFI	IEC6100-4-4 Level 3 (1V/2V)
CS	IEC6100-4-6 Level 3 (10V/m)
PFMF	IEC6100-4-8 Level 4 (30V/m)
DIP	IEC6100-4-11 Level 3 (10V)
ESD	IEC6100-4-2 Level 4 (8K/15K)
Free Fall	0.5m
Certificates	CCC,CE,FCC,Rohs