



18 ports full gigabit managed Industrial PoE Switch CSIL3-1602Pi series

❖ Overview

CSIL3-1602Pi is a 18-port full gigabit industrial managed PoE switch that supports up to 16*10/100/1000M PoE downlink ports, 2* 1000M SFP ports. 16*10/100/1000M ports support PoE+, conforming to IEEE 802.3af/at standard, PoE power each port up to 30W.

It supports L3 management, such as OSPF, RIP, QoS, VLAN, MSTP, Multi-broadcast, ports management and PoE management.

It supports 6KV surge protection, 8KV contact/15KV air ESD protection.

It supports wall hanging, desktop and Din-rail installation, reliable and durable, and can be used in security network video monitoring, network engineering and other occasions.

❖ Pictures



❖ Features

- ❖ With 16*10/100/1000M PoE downlink ports, 2*1000M SFP ports;
- ❖ Support PoE power each up to 30W;
- ❖ Support L3 management, such as OSPF, RIP, QoS, VLAN, MSTP, Multi-broadcast, ports management and PoE management;
- ❖ 6KV surge protection, 8KV contact /15KV air ESD protection;



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❖ Support working temperature -40°C ~ 75°C.

❖ Specifications

Parameter	Specifications
Power supply	Powered by power adaptor
Range of voltage	2*DC 48~57V, redundancy power supply
Consumption	Self consumption<20W
Downlink ports	10/100/1000Base-T 30W PoE RJ45(IEEE 802.3af/at)
Uplink ports	Ports 9~10 1000M SFP slots
Cable and distance	Use cat5e/6,100m max
Standard	IEEE802.3, IEEE802.3u, IEEE802.3z
Switch fabric	36Gbps
Though put	26.78Mpps
Buffer	4M
MAC address table	16K
Indicator	Power: 2 *red ; Uplink 9~10: green LEDs indicate Link/Act Downlink 1~8: On RJ45 green LEDs indicate Link/Act, yellow LEDs indicate PoE
Protection	Surge: 6KV, standard: IEC61000-4-5 ESD: 8KV: contact/15KV: air, standard:IEC61000-4-2
Working temperature	-40°C ~75°C
Storage temperature	-40°C ~85°C
Humidity	0~95%(No condensation)
Dimension(L×W×H)	165 mm×115 mm×50mm
Material	Aluminum
Colour	Black
Net-weight	530g

Software:

L2 Features	Port configuration	Auto-negotiation
		Flow Control



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		Port Mirror	
		Traffic statistics	
	Link Aggregation	Static link aggregation	
		LACP	
		Algorithm based on Source/Destination MAC	
		Algorithm based on Source/Destination IP	
		8 groups	
		8 ports per group	
		MAC Table	Aging Time
	Static MAC address		
	Dynamic MAC address management		
	VLAN	4K Active VLANs	
		4K VID	
		802.1Q Tag VLAN	
		Port VLAN	
		Protocol VLAN	
		MAC VLAN	
		Management VLAN	
		Voice VLAN	
		Q-in-Q	
		Private VLAN	
		GARP/GVRP	
		ACL	64 ACLs
			L2, L3 e L4
	Time-based ACL		
	Spanning tree	802.1D Spanning Tree Protocol (STP)	
		802.1w Rapid Spanning Tree Protocol (RSTP)	
		802.1s Multiple Spanning Tree Protocol (MSTP)	
		Loop Guard	
		Root Guard	
TC-BPDU Guard			
BPDU Guard			
BPDU Filter			
Multicast	256 groups		



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		IGMP v1/v2/v3
		Fast Leave
		Multicast VLAN
		Static Multicast
		Multicast Filter
		IGMP Statistics
		MLD Snooping
	PoE management	Support total power consumption control
		Support single port PoE ON/OFF
		Support port output priority
	QOS	4 priority queues
		CoS port-based
		CoS 802.1p-based
		CoS DSCP-based
		Scheduling algorithms SP, WRR, SP+WRR
		Storm Control (Broadcast, Multicast, Unknown Unicast)
		Bandwidth control per port
Security Features	Port Security	
	MAC address filter	
	ARP Association (Manual, ARP scanning, DHCP snooping) up to 200 entries	
	ARP Protection	
	DoS (Denial of Service)	
	Classification of packages based on: End.MAC, IP End, TCP / UDP Ports, Protocol Type	
	802.1x Autentication (port-based e MAC-based)	
	TACACS/TACACS+ Autentication	
	RADIUS Autentication	
	DHCP Filter	
	Guest VLAN	
	SSLv2/SSLv3/TLSv1	
	SSHv1/SSHv2	
	Restriction of WEB access based on: IP Address, And. MAC and Port	
	Port Isolation	
Local User Name Password Authentication (2 levels)		
Loopback detection		



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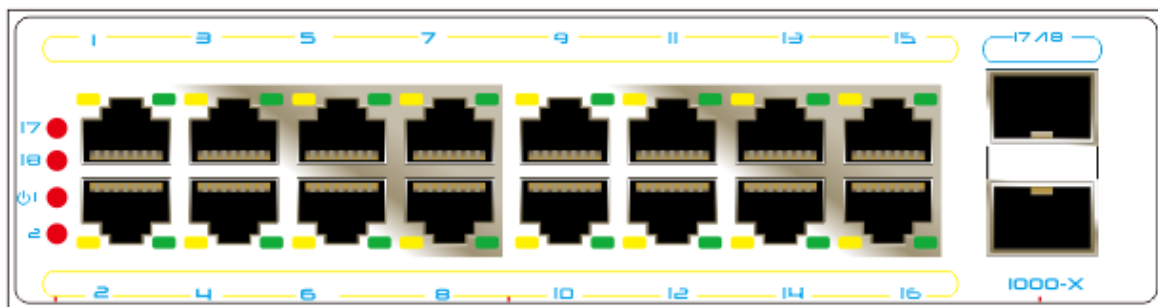
Management	SNMP v1/v2c/v3
	RMON 4 grupos
	WEB (HTTP/HTTPS)
	CLI (Telnet, Console, SSHv1/v2)
	Firmware upgrade via console/web/TFTP
	Configuration Backup/Reload
	All possible configurations in the CLI must exist in the WEB interface
	LLDP
Other Features	DHCP Relay
	DHCP Client
	DHCP Snooping
	DHCP Option 82
	SNTP Client
	BOOTP Client
Maintenance	Ping and Tracert
	System log (Local and Remote)
	Memory and CPU Monitoring
L3 Features	Static Routing
	OSPFv2
	RIPv1/v2
	DHCP Server
IPV6	IPv6 neighbor discovery (ND)
	Path maximum transmission unit (MTU) discovery
	Internet Control Message Protocol (ICMP) version 6
	TCPv6/UDPv6
	Ping6
	Tracert6
	Telnet(v6)
	Http/Https
	IPv6 TFTP
	Static Routing
	Interface IPV6



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❖ Panel diagram

Front Panel



Port 17,18 indicator
2 power indicator

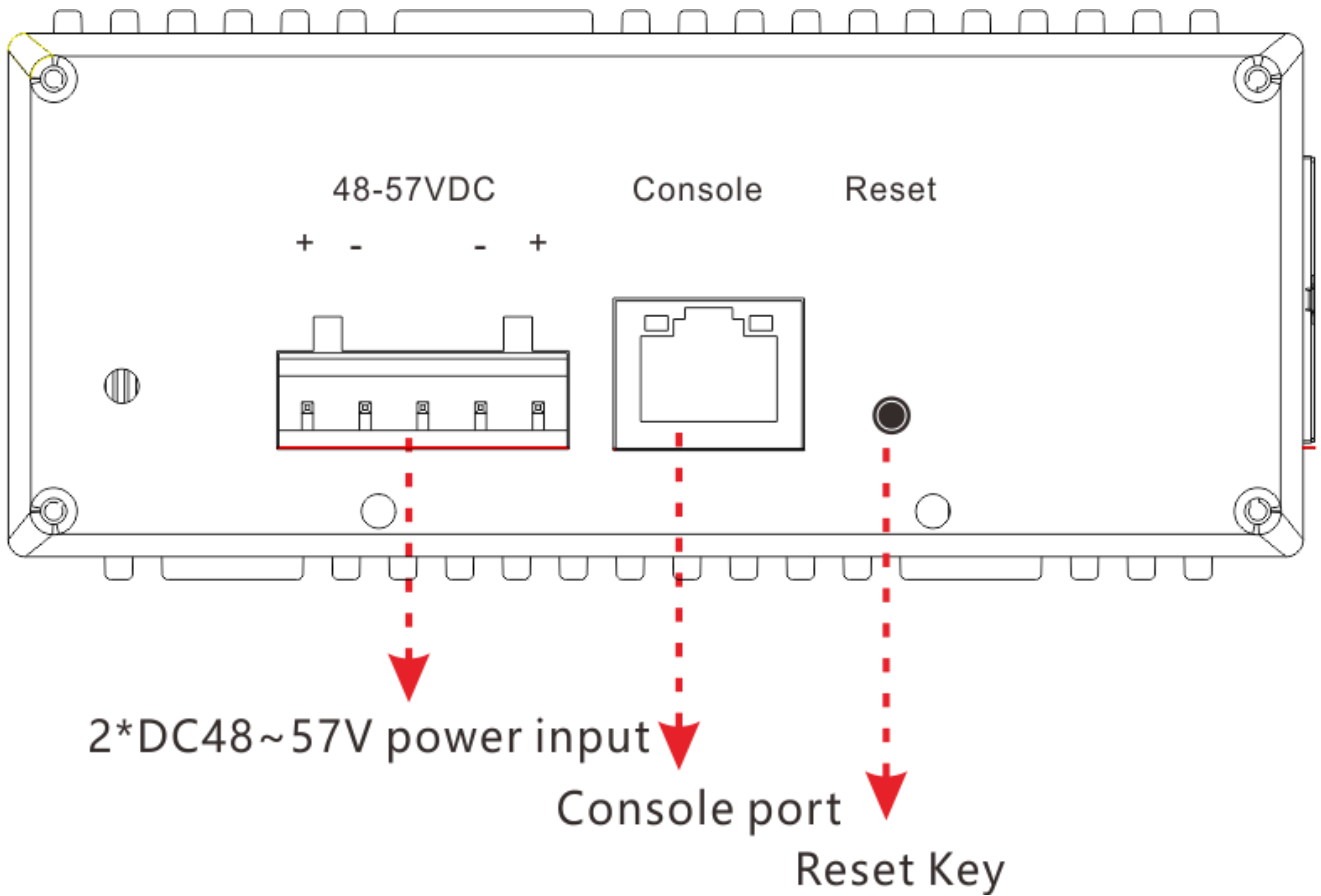
16*10/100/1000 PoE ports

2*1000 SFP

Back Panel



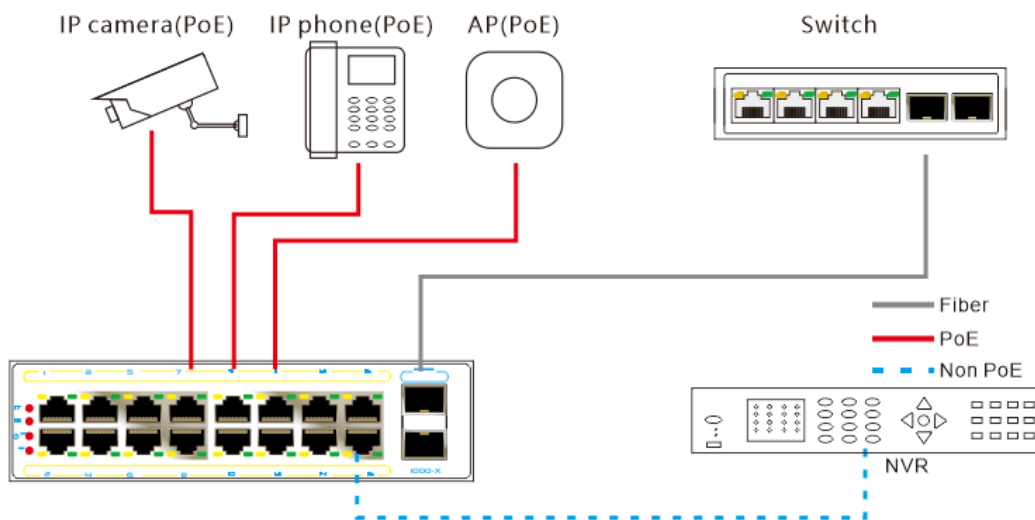
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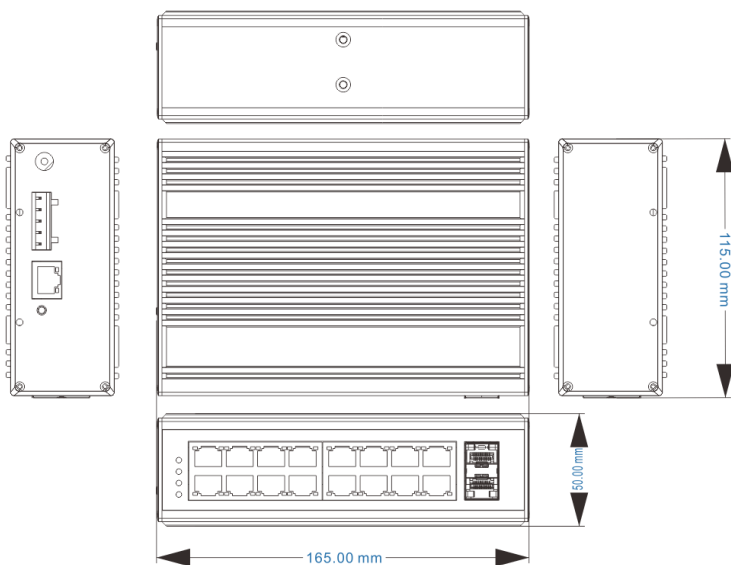


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❖ Application



❖ Dimensions





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❖ Order information

Model	Description
CSIL3-1602Pi	16*10/100/1000M PoE ports, 2*1000M SFP ports, 1~16 ports support 30W; 2*48~57VDC; Support L3 management, such as OSPF, RIP, QoS, VLAN, MSTP, Multi-broadcast, ports management and PoE management; 6KV surge protection, 8KV contact /15KV air ESD protection.
CSIL3-1602i	16*10/100/1000M ports, 2*1000M SFP ports; 2*12~60VDC; Support L3 management, such as OSPF, RIP, QoS, VLAN, MSTP, Multi-broadcast, ports management; 6KV surge protection, 8KV contact /15KV air ESD protection.