

SWI8PG2G4F

Switch industriale managed



Features:

- 10*Gigabit PoE Ports(9-10 Port Support BT) + 4*Gigabit SFP Port (13-14 Port support 2.5G, Compatible with 1.25G/155M) + 1*Console Port
- Support IEEE802.3, IEEE802.3u, IEEE802.3x, IEEE802.3z / ab, IEEE802.1Q, IEEE802.1p, IEEE802.1d/w
- Support PoE Power Management, PoE Watchdog based on data stream detection
- Support bypass protection function
- STP (802.1D), RSTP(802.1w), MSTP(802.1s), ERPS.
- SNMP v1/v2/v3.
- IGMP Snooping, Static multicast filtering, MLD Snooping.
- 802.1x, AAA Certification, Enhance network security.
- WEB, Telnet, CLI,SSH management.
- IEEE802.3af(15.4w), IEEE802.3at(30W), IEEE802.3bt(90W)
- IP40, contenitore metallico, montaggio guida DIN
- EMC grade 4 design, -40 to 85°C working temperature.
- Support Redundant power supply access, support anti-reverse connection.
- Support Port lightning protection, Surge: General Mode6KV,Differential Mode2KV,ESD: Air 15kV, contact 8KV
- Support EMC EN55032standard.

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GENERAL PARAMETER

Switch type	14 Ports Gigabit L2 + Industrial Bypass PoE Switch
System Architecture	6*Gigabit PoE Ports (IEEE802.3af/at standard max 30w) 2*Gigabit PoE Ports (IEEE802.3bt standard max 90w) 2*1.25G SFP Ports 2*2.5G SFP Ports(Compatible 1.25G / 155M) 1*Console Port 1*Bypass Port (Single Mode Single Fiber)
Network Protocols	IEEE802.3 IEEE802.3u IEEE802.3z IEEE802.3ab IEEE802.3x IEEE802.1d IEEE802.1w
POE Parameters	POE Standard: IEEE 802.3af / IEEE 802.3at/IEEE802.3bt Max : 90 W (IEEE 802.3bt) PoE Compatibility: IEEE 802.3af / at / bt adaptive POE Power Output: DC 48-55V
Bypass	P1: Optical Fiber in or out Port (P3 and P4 are corresponding outlets, recommended to connect A) P2: SFP Module Fiber Port (P3 as corresponding outlets, recommended to connect A) P3: Optical Fiber in or out Port (P1 and P2 as corresponding outlets, recommended to connect B) P4: SFP Module Fiber Port (P1 as corresponding outlets, recommended to connect B)
Bypass Switch Time	Ring Recovery time 20ms under
Power Supply	Input Voltage: DC 48~55V Type of input: 4PIN Industrial Terminal (block V1+V1- V2+ V2-)
Power Consumption	Switch: 20W; PoE: 420W
MTBF	100.000 hours
Certification	CE, FCC,RoHs,CCC
Warranty	5 years
Physical Dimension	IP40, Installation DIN Rail&Wall Mount weight: 1.0 KG Dimensions (L×W×H): 188mm×130mm×65mm
Working Environment	Operating temperature: -40~+85°C, Humidity: 5%~95 % (No condensation)
Industry Standard	EMI: FCC Part 15, CISPR (EN55032) class A EMS: EN61000-4-2 (ESD) EN61000-4-4 (EFT) EN61000-4-5 (Surge) Shock: IEC 60068-2-27 Free fall: IEC 60068-2-32 Vibration: IEC 60068-2-6 CE mark, commercial FCC Part 15 Class B VCCI Class B EN 55032 , Class A
Certification	

TECHNICAL INDICATORS

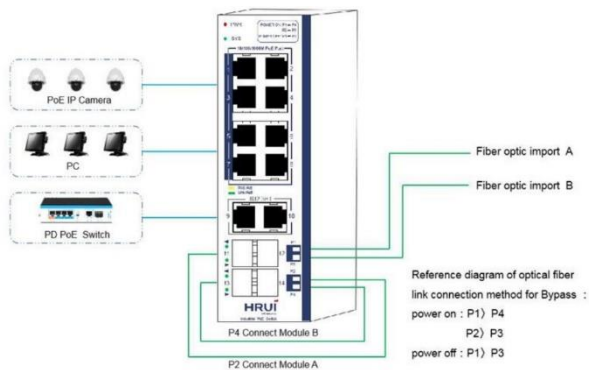
Bandwidth	56Gbps
Packet Forwarding rate	25,29Mpps
Flash Capacity	16MB
RAM	128MB
MAC	8K
Quete buffer	4M
Jumbo frane	9,6Kbytes
VLANs	4096
Forwarding Mode	Store-And-Forward

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Applicazioni:

Esempio:



Esempio:



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LAYER 2 Software function

Port Management	Support enable / disable port Support speed, duplex, MTU setting, etc. Support flow control flow control settings Support port mirroring Support port in / out dir
STP	Standard Spanning Tree (STP) 802.1d Rapid Spanning Tree (RSTP) 802.1w Multiple Spanning Tree (MSTP) 802.1s ERPS
Ring Network Protocol	
Link Aggregation	Support static manual aggregation Support LACP dynamic convergence
VLAN	Support VLAN and IEEE 802.1Q VLAN
IGMP Snooping	Support static add / delete
MAC	Support static add/delete MAC address learning limit Support dynamic aging time settings

L3 (layer 3 Switching) and router function

Interface Configuration	Support virtual VLAN interface
ARP Router function	Support check ARP Static router

EXTENDED Functon

ACL	Based on the source MAC, destination MAC, protocol type, source IP, destination IP, L4 port number Support time-range time management
QoS	Based on 802.1p (COS) classification Based on DSCP classification Based on the source IP, destination IP, port number classification Support SP, WRR, DRR scheduling strategy Support traffic speed limit CAR
LLDP	Support LLDP link discovery protocol
User settings	Add/delete user
Log	User login, operation, status, events
Anti-attack	DOS defense Support CPU protection and limits the rate of sending cpu packets ARP binding (IP, MAC, PORT binding)
System Management	Device reset, configuration save/restore, upgrade management, time setting, etc.

MANAGEMENT FUNCTION

CLI	Support serial port command line management
TELNET	Support serial port command line management
SSH	Support SSHv1/2 remote management
SNMP	Support v1/2/3
WEB	Support Layer 2 of settings
POE	POE Power Management