

ANT-IMIGS28H Series

10-port Managed Industrial Ethernet Switch, with 2 1000Base-X SFP Slot and 8 10/100/1000Base-T(X) Ethernet Port

Features



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- -Support 2 1000Base-X SFP slot and 8 10/100/1000Base-T(X) Ethernet port.
- -Support G.8032(ERPS), IEEE802.3, IEEE802.3u, IEEE802.3z, IEEE802.3x, IEEE802.3ad, IEEE802.3ab, IEEE802.1p, IEEE802.1x, IEEE802.1Q, IGMP Snooping, IPv4/IPv6 precedence.
- -Support CLI, SNMP, WEB management, Console/Telnet command-line management and syslog, using self-developed ring network technology, recovery time <20ms.
- -DC10-58V redundancy power, reverse polarity protection.
- -Industrial grade 4 design, -40-85°C operating temperature.
- -IP40 rated aluminum alloy housing, DIN-Rail mounted.

Introduction

ANT-IMIGS28H is a high performance, cost-effective high-end managed industrial Ethernet switch. The switch provides 8 10/100/1000Base-T(X) Ethernet port and 2 1000Base-X SFP slot. The use of a Ring technology (network fault recovery <20ms) the user can easily set the redundant ring network to increase network reliability, it also support WEB, CLI, Telnet/serial console, Windows utility, and SNMP management of a variety of ways, rich QoS features for data traffic control and management, support ring protocol, RSTP and STP Ethernet redundancy support port-based VLAN, IEEE 802.1Q VLAN and GVRP protocol. The product also industrial design, and can be widely used in automotive PIS, CCTV, video surveillance systems, train control system, but also applies to any vibration shock, EMC compatibility requirements of harsh industrial applications, can meet a variety of industrial site requirements to achieve higher reliability.



Specification

Fiber Port 2*100/1000Base—X SFP Ethernet Port 8*10/100/1000 Base—T	Interface	
Manage Port 1*RJ45 Console port Power connector 3P Phoenix terminal, dual power supply redundancy PWR (green); System indicator:SYS(green); Network port indicator:yellow(1000 or POE) Green (Link) Cable type and distance Twisted pair cable 0-100m (CATSe, CAT6) Single-mode fiber 20/40/60/80/100KM Multimode fiber 550m/2KM Optical fiber interface LC/SC Network topology & scale Ring topology Support	Fiber Port	2*100/1000Base-X SFP
Power connector 3P Phoenix terminal, dual power supply redundancy LED Indicator PWR (green); System indicator:SYS(green); Network port indicator:yellow(1000 or POE) Green (Link) Cable type and distance Twisted pair cable 0-100m (CAT5e, CAT6) Single-mode fiber 20/40/60/80/100KM Multimode fiber 550m/2KM Optical fiber interface LC/SC Network topology & scale Ring topology Support Star topology Support Bus topology Support Tree topology Support Hybrid topology Support Electrical characteristis Input voltage Power consumption DC10-58V/AC 100-240V 50-60HZ Power consumption Non-POE full load (Total power) <10W poe full load <132W	Ethernet Port	8*10/100/1000 Base — T
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Power consumption Non-POE full load (Total power) <10W POE full load <132W PoE Support(Optional) PoE ports 1-8 PoE protocol 802.3af, 802.3at PoE pin assignment 1,2,3,6 PoE management mode Support L2 Features Exchange capacity 40G Packet forwarding rate 14.9Mpps MAC address table 16K VLAN support and quantity Support 4K Report buffer 8M Forwarding delay <10us Port characteristics Cross-connect and direct-adaptive	Electrical characteristics	
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PoE Support(Optional) PoE ports 1-8 PoE protocol 802.3af, 802.3at PoE pin assignment 1,2,3,6 PoE management mode Support L2 Features Exchange capacity 40G Packet forwarding rate 14.9Mpps MAC address table 16K VLAN support and quantity Support 4K Report buffer 8M Forwarding delay <10us Port characteristics Cross-connect and direct-adaptive	Power consumption	Non-POE full load (Total power) <10W
PoE ports 1-8 PoE protocol 802.3af, 802.3at PoE pin assignment 1,2,3,6 PoE management mode Support L2 Features Exchange capacity 40G Packet forwarding rate 14.9Mpps MAC address table 16K VLAN support and quantity Support 4K Report buffer 8M Forwarding delay <10us Port characteristics Cross-connect and direct-adaptive		POE full load <132W
PoE protocol 802.3af, 802.3at PoE pin assignment 1,2,3,6 PoE management mode Support L2 Features Exchange capacity 40G Packet forwarding rate 14.9Mpps MAC address table 16K VLAN support and quantity Support 4K Report buffer 8M Forwarding delay <10us Port characteristics Cross-connect and direct-adaptive	PoE Support(Optional)	
PoE pin assignment 1,2,3,6 PoE management mode Support L2 Features Exchange capacity 40G Packet forwarding rate 14.9Mpps MAC address table 16K VLAN support and quantity Support 4K Report buffer 8M Forwarding delay <10us Port characteristics Cross-connect and direct-adaptive	PoE ports	1-8
PoE management mode L2 Features Exchange capacity Packet forwarding rate MAC address table VLAN support and quantity Report buffer Forwarding delay Port characteristics Support Support Support 4K 8M Cross-connect and direct-adaptive	PoE protocol	802.3af, 802.3at
L2 FeaturesExchange capacity40GPacket forwarding rate14.9MppsMAC address table16KVLAN support and quantitySupport 4KReport buffer8MForwarding delay<10us	PoE pin assignment	1,2,3,6
Exchange capacity Packet forwarding rate 14.9Mpps MAC address table 16K VLAN support and quantity Support 4K Report buffer 8M Forwarding delay Port characteristics Cross-connect and direct-adaptive	PoE management mode	Support
Packet forwarding rate 14.9Mpps MAC address table 16K VLAN support and quantity Support 4K Report buffer 8M Forwarding delay <10us Port characteristics Cross-connect and direct-adaptive	L2 Features	
MAC address table VLAN support and quantity Support 4K Report buffer 8M Forwarding delay Port characteristics Cross-connect and direct-adaptive	Exchange capacity	40G
VLAN support and quantity Support 4K Report buffer 8M Forwarding delay <10us	Packet forwarding rate	14.9Mpps
Report buffer 8M Forwarding delay <10us Port characteristics Cross-connect and direct-adaptive	MAC address table	16K
Forwarding delay <10us Port characteristics Cross-connect and direct-adaptive	VLAN support and quantity	Support 4K
Port characteristics Cross-connect and direct-adaptive	Report buffer	8M
·	Forwarding delay	<10us
Flow control Support	Port characteristics	Cross-connect and direct-adaptive
	Flow control	Support

Jumbo frame support	Support10Kbytes
Spanning Tree Protocol	Support STP/RSTP/MSTP
Ring network protocol	Support ERPS
Link aggregation	Support 12 groups
Multicast	Support IGMP Snooping





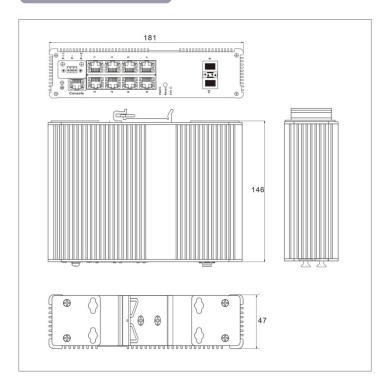
Port mirroring	Support
Storm suppression	Support
Port traffic statistics	Support
Port flow system	Support
QINQ	Support
Protection	Shell: IP40 protection, aluminum alloy housing IEC 61000-4-5 Level 3 (4KV/2KV) (8/20us) IEC 61000-4-5 Level 3 (6KV/2KV) (10/700us) IEC 61000-4-3 Level 3 (10V/m) IEC 61000-4-4 Level 3 (1V/2V) IEC 61000-4-6 Level 3 (10V/m) IEC 61000-4-8 Level4 (30A/m) IEC 61000-4-11 Level3 (10V) EMI CLASS A IEC 61000-4-2 Level 4 (15KV/30KV) Free fall 0.5m
Convergence Service	Tree lan 0.5m
	Support FOO ACLO
ACL	Support 500 ACLs;
	Support IP standard ACL;
	Support MAC extended ACL;
	Support IP extended ACL;
QoS	Support QoS re-marking and priority mapping;
	Support SP, WRR queue scheduling;
	Support entry speed limit and exit speed limit;
	Support flow-based QoS
Management function	
Command line	Support
Management serial port	Support
Telnet	Support
WEB management	Support
SNMP	Support SNMPv1/v2c
User management	Support
System log	Support
File upgrade	Support
Firmware upgrade	Support
SFP module DDM	Support
Environmental conditions	

Working temperature	-40°C~+85°C
Storage/transport temperature	-40°C~+85°C
Relative humidity	5%~95% does not support condensation (non-
	condensing)
Cooling method	No fan design, natural heat dissipation
MTBF	100,000 hours
Mechanical structure	
Size	181X146X47mm
Installation method	DIN Rail Installation
Weight	1KG





Dimension



Order Information

Model No.	Description of Goods	
ANT-IMIGS28H	Managed Industrial Ethernet Switch, 2 1000Base-X SFP Slot and 8 10/100/1000Base-T(X), DIN-Rail, DC10-58V, -40-85°C Operating Temperature	
ANT-IMIGS28HP	Managed Industrial PoE Switch, 8 10/100/1000Base-T(X) PoE/PoE+ and 2 1000Base-X SFP Slot, DIN-Rail, DC48-58V, -40-85°C Operating Temperature	
Power Supply: DC24V DIN-Rail Power Supply or Power Adapter is Optional.(Non-PoE)		
DC48V DIN-Ra	DC48V DIN-Rail Power Supply or Power Adapter is Optional.(PoE)	