ISN-GS2300 Industrial Series

6/10-Port PoE Industrial L2 Managed Gigabit Switch

Product Overview

The Snexus ISN-GS2300 Industrial PoE series are managed industrial PoE+ Gigabit Ethernet switches. The switches comply to the IEEE 802.3 af/at standard and are able to deliver up to 30 watts of power per port along with data over standard Ethernet cabling. The switches can be used to power any IEEE 802.3af/at-compliant PoE PD devices, and include PoE power management features that ease the deployment effort and PoE power budget planning, as well as eliminating the need for additional wiring to reach a power source.

Performance and Scalability

The Snexus ISN-GS2300 Industrial PoE series are high-performance Gigabit Ethernet Layer 2+ managed switches with 24/20 Gbps switching capacity. The switches deliver wire-speed switching performance on all Gigabit ports, allowing users to take full advantage of existing high-performance Gigabit integrated servers and PCs by significantly improving the responsiveness of applications and file transfer times. The two/four SFP ports provides uplink flexibility, and allows the insertion of fiber or copper Gigabit transceivers, creating up to 2/4 Gbps high-speed uplinks to service provider, corporate, or campus networks, reducing bottlenecks and increasing the performance of the access network. The switches also support digital diagnostic monitoring (DDM) for SFP transceivers.

Robust Multicast Control

IGMP snooping prevents the flooding of multicast traffic by dynamically configuring switch ports so that multicast traffic is forwarded to only those ports associated with an IP multicast receiver. IGMP increases the performance of networks by reducing multicast traffic flooding. IGMP groups allow you to create customer packages for IP-TV channels, making switch configuration easy. IGMP Filtering prevents subscribers seeing unsubscribed IP-TV channels. And, IGMP Throttling allows you to set how many IP-TV channels a subscriber can receive simultaneously.

Model List

ISN-GS2300-6FP

- 4 x 10/100/1000Base-T PoE Ports
- 2 x Fiber SFP Ports
- 1 x Console Port
- L2/L2+ Managed
- 120 Watt PoE Budget

ISN-GS2300-10FP

- 8 x 10/100/1000Base-T PoE Port
- 2 x Fiber SFP Portu
- 1 x Console Port
- 240 Watt PoE Budget
- L2/L2+ Managed

ISN-GS2300-10FP v2

- 8 x 10/100/1000Base-T PoE Port
- 2 x Fiber SFP Portu
- 1 x Console Port
- 240 Watt PoE Budget
- L2/L2+ Managed
- 802.3af/at/bt (1-2 port 90 Watt PoE Support)

Specifications

Model Name		ISN-GS2300-6FP	ISN-GS2300-10FP	ISN-GS2300-10FP v2
Product Picture				
Product Description		6 ports GbE Industrial L2+ Managed Ethernet PoE Switch	10 ports GbE Industrial L2+ Managed Ethernet PoE Switch	10 ports GbE Industrial L2+ Managed Ethernet PoE Switch
Port Yapısı				
Total Port		6	10	10
10M/100M/1000 RJ45 Port		4	8	8
SFP Fiber Port		2	2	2
10M/100M/1000 RJ45 Uplink Port		_	_	_
PoE Function				
IEEE802.3at (PoE+ 30W)		Yes	Yes	Yes
IEEE802.3af (PoE 15.4W)		Yes	Yes	Yes
IEEE802.3bt(PoE 90W)		_	_	Yes
PoE Port		4	8	8
PoE Budget		120W	240W	240W
Performance				
Switching Capacity		18Gbps	24Gbps	24Gbps
Forwarding Rate		17.9Mpps	17.9Mpps	17.9Mpps
MAC Address Table Size		8K	8K	8K
Jumbo Frames		9600 Bytes	9600 Bytes	9600 Bytes
Auto-negotiation, Auto-MDI/MDIX		Yes	Yes	Yes
Environmental				
Operating Temperature		-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Humidity (non-condensing)		5 to 95% RH	5 to 95% RH	5 to 95% RH
Storage Temperature		-40°C to 85°C	-40°C to 85°C	-40°C to 85°C
Storage Humidity (non-condensing)		5 to 95% RH	5 to 95% RH	5 to 95% RH
Lightning Protection		6KV 8/20us；8KV ESD	6KV 8/20us；8KV ESD	6KV 8/20us；8KV ESD
Mechanical				
Dimension (W x D x H)		145 x 125 x 40	166 x 125 x 60	166 x 125 x 60
Weight		< 1.0 Kg	< 1.0 Kg	< 1.0 Kg
IP40 Metal Case		Yes	Yes	Yes
Montage Option		DIN-rail and wall montage	DIN-rail and wall montage	DIN-rail and wall montage
Power Supply				
DC Input		48 ~ 55 VDC	48 ~ 55 VDC	48 ~ 55 VDC
Power Supply		Type of input: 4 pins terminal block (V1+ V1- V2+ V2-) DC52V1.25A/DC52V2.5A for optional		
L2 Features				
Spanning Tree	IEEE802.1D (STP)	Yes	Yes	Yes
	IEEE802.1W (RSTP)	Yes	Yes	Yes

	IEEE802.1S (MSTP)	Yes	Yes	Yes
VLAN	802.1Q VLAN	Yes	Yes	Yes
	Port-Based	Yes	Yes	Yes
	VLAN	4K	4K	4K
	Special VLAN	Yes	Yes	Yes
	Voice VLAN	Yes	Yes	Yes
	Guest VLAN	Yes	Yes	Yes
	Q-in-Q	Yes	Yes	Yes
	802.1v Protocol VLAN	Yes	Yes	Yes
	MAC-Based VLAN	Yes	Yes	Yes
	IP Subnet-Based VLAN	Yes	Yes	Yes
IEEE 802.3ad LACP	Dinamic Trunk	Yes	Yes	Yes
	Static Trunk	Yes	Yes	Yes
GARP/GVRP		Yes	Yes	Yes
IGMP GMP v1/v2/v3 Snooping		Yes	Yes	Yes
IGMP querying suppor		Yes	Yes	Yes
IGMP immediate leave and leave proxy		Yes	Yes	Yes
IGMP Filtering/Throttling		Yes	Yes	Yes
MLD		Yes	Yes	Yes
ICMP Snooping		Yes	Yes	Yes
L3 Features				
Static Routing		Yes	Yes	Yes
Virtual VLAN Interface Support		Yes	Yes	Yes
Check ARP Support		Yes	Yes	Yes
Dinamic ARP		Yes	Yes	Yes
QoS Features				
Dynamic QoS assignment	Port Based	Yes	Yes	Yes
	802.1p	Yes	Yes	Yes
	DSCP	Yes	Yes	Yes
	TCP/UDP Port	Yes	Yes	Yes
Oran Sınırlaması	Input	Yes	Yes	Yes
	Output	Yes	Yes	Yes
	Stri Priority	Yes	Yes	Yes
Priority queues per port		8	8	8
Security				
ACLs	L2/L3/L4	Yes	Yes	Yes
	IPv6 support	Yes	Yes	Yes
Port Security (MAC-based)		Yes	Yes	Yes
IP Source Guard		Yes	Yes	Yes
Storm Control		Yes	Yes	Yes
RADIUS authentication 802.1x		Yes	Yes	Yes
TACACS+ authentication		Yes	Yes	Yes
HTTPs and SSL (Security Web)		Yes	Yes	Yes
BPDU Guard		Yes	Yes	Yes

STP Root Guard		Yes	Yes	Yes
DHCP		Yes	Yes	Yes
Loop Guard		Yes	Yes	Yes
Management				
DHCP	Client	Yes	Yes	Yes
	Relay	Yes	Yes	Yes
	Option 82	Yes	Yes	Yes
Event/Error Logging	Syslog	Yes	Yes	Yes
	SMTP (RFC821)	Yes	Yes	Yes
Access Management	SNMP	Yes	Yes	Yes
	Web UI	Yes	Yes	Yes
	Telnet	Yes	Yes	Yes
	SSH	Yes	Yes	Yes
PoE Management	Timing	Yes	Yes	Yes
	Oto-Control	Yes	Yes	Yes
	Power Delay	Yes	Yes	Yes
SNMP (v1, v2c, v3)		Yes	Yes	Yes
RMON (1,2,3 & 9 Grops)		Yes	Yes	Yes
Software Upgrade		Yes	Yes	Yes
Port Mirroring		Yes	Yes	Yes
LLDP (IEEE802.1AB)		Yes	Yes	Yes
Discovery Protocol		Yes	Yes	Yes
sFlow		Yes	Yes	Yes
IPv6 Management		Yes	Yes	Yes
NTP		Yes	Yes	Yes
Certifications				
ISO9001		Yes	Yes	Yes
ISO27001		Yes	Yes	Yes
CE		Yes	Yes	Yes
FC		Yes	Yes	Yes
ROHS		Yes	Yes	Yes
Standards				
EMC EN55032		Yes	Yes	Yes
EN 61000-4-4		Yes	Yes	Yes
EN 61000-6-2		Yes	Yes	Yes
EN 55032/24		Yes	Yes	Yes
EN 60950-1, UL 60950-1		Yes	Yes	Yes

snexus

NETWORKS

info@snexus.com.tr | www.snexus.com.tr