

SN-GS2300 Series

8/24/50-Port PoE and non-PoE L2 Managed Gigabit Switch

Overview

Snexus new generation of Layer 2 Switch GS2300 Series are fully featured Layer 2 Gigabit access switches designed to meet converged data, video and voice networking needs. This latest series' eye-catching new look comes in 10-, 28- and 50-port models with a combination of PoE and non-PoE.

Agile traffic control for converged networking applications

The GS2300 Series has a rich Layer 2 feature set that can shape the traffic for diverse VoIP, video conference and IPTV deployments. Advanced traffic control features of the GS2300 Series such as L2 multicast, IGMP snooping, Multicast VLAN Registration (MVR) provide hotels, businesses, and educational institutions greater agility and more effective traffic management for the converged applications of today.

Power your devices with efficiency and energy-saving

The GS2300 Series PoE switches support 802.3at PoE Plus standards to offer 30-watt per port along with maximum 400-watt high-power budget to meet the needs from power-hungry devices. The intelligent consumption mode allows delivery of only the actual power required by devices connected to the switch for better business ROI. The PoE scheduling feature supplies power to devices only during working hours, saving energy and money while preventing improper use of business network resources. The user-friendly PoE consumption indicator located on the front panel and Web GUI provides real-time power utilization.

Standard Compliance

- Standard Compliance
- IEEE 802.3u 100BASE-TX Ethernet*
- IEEE 802.3ab 1000BASE-T Ethernet*
- IEEE 802.3z 1000BASE-X*
- IEEE 802.3af PoE*
- IEEE 802.3at PoE plus*
- IEEE 802.3az EEE
- IEEE 802.3x flow control
- IEEE 802.1AB LLDP/LLDP-MED*
- IEEE 802.3ad LACP aggregation*
- IEEE 802.1D Spanning Tree Protocol (STP)*
- IEEE 802.1w Rapid Spanning Tree Protocol (RSTP)*
- IEEE 802.1s Multiple Spanning Tree Protocol (MSTP)
- IEEE 802.1Q VLAN tagging
- IEEE 802.1p Class of Service (CoS) prioritization*
- IEEE 802.1X port authentication*
- IEEE 802.3z 1000BASE-X
- IEEE 802.3az EEE desteği
- IEEE 802.3x akış kontrolü
- IEEE 802.1AB LLDP/LLDP-MED
- IEEE 802.3ad LACP toplaması
- IEEE 802.1D Yayılma Tree Protocol (STP)
- IEEE 802.1w Hızlı Kapsayan Tree Protocol (RSTP)
- IEEE 802.1s Çoklu Kapsayan Tree Protocol (MSTP)
- IEEE 802.1Q VLAN etiketleme
- IEEE 802.1p Hizmet Sınıfı (CoS) önceliklendirme
- IEEE 802.1X bağlantı noktası kimlik doğrulaması
- Otomatik MDI/MID-X



Management

- Web-based GUI
- Command Line Interface (CLI) through console port, telnet
- SNMPv1/v2c/v3- Trap/Inform - RMON (1,2,3,9 groups)
- SDM Template
- DHCP/Server/Client/Snooping/Relay/Option82
- 802.1ab LLDP/LLDP-MED,sflow,netflow,openflow

- SSHv2, SSL,http,HTTPS
- DHCP Auto Install
- CPU Monitoring
- Cable Diagnostics
- Password Recovery
- SNTP
- SysLog, RADIUS, TACACS+
- TFTP, Dynamic ARP Protection

Model List

SN-GS2300-28F

- 24 x 10/100/1000Base-T Port
- 4 x Fiber SFP Ports
- 1 x Console Port
- L2/L2+ Managed

SN-GS2300-10FP

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

SN-GS2300-28FP

- 24 x 10/100/1000Base-T Port
- 4 x Fiber SFP Ports
- 400 Watt PoE Budget
- L2/L2+ Managed

SN-GS2300-18FP

- 16 x 10/100/1000Base-T PoE Port
- 2 x Fiber SFP Ports
- 2 x 10/100/1000Base-T Uplink Port
- 300 Watt PoE Budget
- L2/L2+ Managed

SN-GS2300-18SFP

- 8 x 10/100/1000Base-T Port
- 18 x Fiber SFP Ports
- 1 x Console Port
- L2/L2+ Managed

SN-GS2300-24SFP

- 24 x Fiber SFP Ports
- 2 x 10/100/1000Base-T Port
- 1 x Console Port
- L2/L2+ Managed



Specifications

Model	SN-GS2300-10FP	SN-GS2300-28F	SN-GS2300-18FP	SN-GS2300-28FP	SN-GS2300-18SFP	SN-GS2300-24SFP
Product Structure	10-Port Gigabit PoE	28-Port Gigabit	18-Port Gigabit PoE	28-Port Gigabit PoE	18 x SFP 8 x Gigabit RJ45	24 x SFP 8 x Gigabit RJ45
Layer Class	L2/L2+	L2/L2+	L2/L2+	L2/L2+	L2/L2+	L2/L2+
Port Structure						
Total Port	10	28	18	28	26	32
10/100/1000 Base-T	8	24	16	24	8	8
10/100/1000/ Console Port	1	1	1	1	1	1
Fiber SFP Ports	2	4 x Combo(RJ45/SFP)	2 Fiber 2 Uplink	4 x Combo(RJ45/SFP)	18	24
Performance						
Backplane Capacity (Gbps)	36 Gbps	52 Gbps	56 Gbps	56 Gbps	336 Gbps	336 Gbps
Forwarding Rate (Mpps)	26.8 Mpps	38.7 Mbps	41.4 Mbps	41.4 Mbps	108 Mbps	108 Mbps
Forwarding Mode	Store & forward	Store & forward	Store & forward	Store & forward	Store & forward	Store & forward
Packet Buffer (byte)	4.1MB	9MB	9MB	9MB	9MB	9MB
MAC AddressTable	8K	16K	16K	16K	16K	16K
802.3x Flow Control	Evet	Evet	Evet	Evet	Evet	Evet
802.1p CoS (Class of Service)	Evet	Evet	Evet	Evet	Evet	Evet
Packet Control	Evet	Evet	Evet	Evet	Evet	Evet
Otomatic MDI/MDI-X	Evet	Evet	Evet	Evet	Evet	Evet
PoE Aavailable	Evet	N/A	Evet	Evet	N/A	N/A
Power						
AC Voltaj Input	100 - 240 V AC, 50/60 Hz					
PoE Budget	120 Watt	N/A	300 Watt	400 Watt	N/A	N/A
Dimensions (W x D x H)]						
Ebatlar (W x D x H)]	497*393*97mm	497*393*97mm	490*390*95mm	497*393*97mm	440*×180*×44mm	440*×210*×45mm
Environmental Specifications						
Humidity	10% to 95% (non-condensing)					
Temperature	0°C to 50°C/32°F to 122°F					
Warranty	2 years					





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