

PRODUCT DATASHEET

Gigabit Switch

NSG-8824

NSG-8824 24-port 10/100/1000 Gigabit desktop switch designed for fast backbone and connects servers or power users, delivering huge amounts of multimedia, image, and video information. Its browser-based user interface provides the simple Smart Switch management, which keeps you informed of switch performance, VLANs, and traffic prioritization.



Features	Benefits
Full duplex operation up to 2000Mbps	High speed network speed to fulfill heavy-loading task like data center, server farm connectivity
Combined switching capacity of up to 10Gbps, non-blocking switching architecture	No bottleneck caused by switch fabric
Per-Port color LEDs	Clear indication of system status hence easy diagnostics
Excellent switching architecture by combining dynamic memory allocation with store-and-forward switching	Minimize the possibility of packet loss
Allowing two or more units to be cascaded together	Scalable, capacity expansion
802.3x Flow Control	Minimize dropped packets
Jumbo Frames (up to 9.216K)	Maximize efficiency of transmission for giant packets
802.1P priority queuing	Prioritize critical traffics (VoIP, Video) based on user expectation
Auto MDI/MDI-X crossover	Save up-link port/cross cable, also reduce user confusion
Auto-negotiation	Optimize performance without management hassle

Technical Specifications

Network speed

Web smart 24-Port 10/100/1000Mbps Switch

MAC Address Table Size

8K

Switch Fabric

48Gbps Forwarding Capacity

Transmission Method

Store-and-forward

Diagnostic LEDs

Power
LAN: link, activity, speed, duplex

Forwarding Rate

- 10Mbps-14,880pps
- 100Mbps-148,809pps
- 1000Mbps -1,488,095pps
- Network latency: Less than 20 μ s for 64-byte frames in store-and-forward mode for 100 Mbps to 100 Mbps transmission

Address Aging Timer

Automatic Update

Max Power Consumption

29/32 Watts

Jumbo Frames

9.216KB

QoS

802.1p (4 Queues)

Interface Options

- RJ-45
- 10BASE-T, 100BASE-TX, 1000BASE-T Universal UTP Cable Recognition for Straight-Through or Crossover Cables (MDI/MDI-X)

Network Protocol and Standards

- IEEE802.3 Ethernet, 802.3u Fast Ethernet, 802.3ab Gigabit Ethernet
- 802.3x Flow Control
- 802.1P priority queuing
- IEEE 802.1D Spanning Tree Protocol

Regulatory Requirement

FCC Class B, CE Class B, CSA International

Power Supply

30W Internal power supply

Environmental

Temperature

Operating: 0° ~ 40° C (32° to 104° F)
Storage: -10° ~ 70° C (14° to 158° F)

Humidity

Operating: 10% - 95% RH, Non-condensing
Storage: 5% - 95% RH, Non-condensing

Physical Specifications

Dimensions (H x W x D): 1.7 x 17.3 x 8.1 in. (43 x 440 x 205 mm)

Weight

5.9 lbs. (2.7 kg)/6.5lbs (2.99KG)

Warranty and Support Information

1-Years (Excluding Power Supply)

Related Product(s)

5 port Gigabit Switch
NSG-8805
11a/b/g High-power Wireless USB Adapter
NUB-362/362 EXT (802.11b/g)
NUB-862 (802.11a/b/g)
NUB-8301 (802.11a/b/g)
Indoor AP-Client
NCB-3220 (802.11b/g)
NCB-8610 (802.11a/b/g)
Outdoor AP-Client
NOC-3220 Series (802.11b/g)
NOC-8610 Series (802.11a/b/g)