

PRODUCT DATASHEET

Gigabit Switch

NSG-8805

NSG-8805 is a 5-port 10/100/1000 Gigabit desktop switch for SOHO and enterprise users seeking pain-free, plug-and-play Ethernet connectivity. The NSG-8805 delivers rich features, high performance, and extreme reliability in cost-effective, space-saving design. The plastics housing provides a light-weight and user-friendly touch compared to metal casing. Besides, the sleek and compact design of the NSG-8805 saves space while still takes thermal into consideration.



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 9.6K)	Maximize efficiency of transmission for giant packets
802.1P priority queuing	Prioritize critical traffics (VoIP, Video) based on user expectation
Compact and portable	Fit in different application where space is limited
Wall mountable	Providing even more flexibility for mounting under a desk or in a small wiring cabinet
Fan-less design	Reduce noise while increase system stability and life span
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

Unmanaged 5-Port 10/100/1000Mbps Switch

FCC Class B, CE Class B, CSA International

MAC Address Table Size

8K

Power Supply

AC-DC 12 V / 1A External

Switch Fabric

10Gbps Forwarding Capacity

Environmental

Temperature

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

Transmission Method

Store-and-forward

Humidity

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

Diagnostic LEDs

Power
LAN: Activity/Link

Physical Specifications

Dimensions (W x D x H)

7.75 x 4.48 x 1.2 in (196.85 x 113.79 x 30.48 mm)

Forwarding Rate

10Mbps- 14,880pps
100Mbps- 148,809pps
1000Mbps -1,488,095pps

Weight

1.13lbs (.51kg)

Address Aging Timer

Automatic Update

Warranty and Support Information

1-Years (Excluding Power Supply)

Max Power Consumption

4.5 Watts

Related Product(s)

8 port Gigabit Switch
NSG-8808
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)

Power Dissipation

25.234 BTU/Hr

Jumbo Frames

9.6KB

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

802.3 Ethernet, 802.3u Fast Ethernet
802.3ab Gigabit Ethernet
802.3x Flow Control
802.1P priority queuing

Regulatory Requirement