

PRODUCT DATASHEET

Gigabit Switch with PoE (802.3af)

NSG-8805P

NSG-8805P is a 5-port 10/100/1000 Gigabit desktop switch for SOHO and enterprise users seeking pain-free, plug-and-play Ethernet connectivity. It is also built with 1-port Power-over-Ethernet in compliance with IEEE802.3af standard. The NSG-8805P 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-8805P 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
Power-over-Ethernet (IEEE802.3af)	Flexible Access Point locations and cost savings

Technical Specifications

Network speed

Unmanaged 5-Port 10/100/1000Mbps Switch

MAC Address Table Size

8K

Switch Fabric

10Gbps Forwarding Capacity

Transmission Method

Store-and-forward

Diagnostic LEDs

Power
LAN: Activity/Link

Forwarding Rate

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

Address Aging Timer

Automatic Update

Max Power Consumption

4.5 Watts

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

FCC Class B, CE Class B, CSA
International

Power Requirement

AC-DC 12 V / 1A External
Active Ethernet (802.3af)

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 (W x D x H)

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

Weight

1.13lbs (.51kg)

Warranty and Support Information

1-Years (Excluding Power Supply)

Related Product(s)

Gigabit Switch

NSG-8805 / NSG-8805P
NSG-8808 / NSG-8808P
NSG-8816 / NSG-8816P
NSG-8824 / NSG-8824P

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)

11 b/g SOHO Router

NSR-1220 (802.11 b/g)