Q-SYS NS Series Network Switches

The Q-SYS NS Series network switches offer a plug-n-play solution for Q-SYS system installers intending to deploy a local AV network for media distribution. The NS Series network switches ship pre-configured with a QSC developed, independently verified* configuration tailored towards the real-time demands of Q-LAN™ audio and video as well as Dante™ and AES67 streams. The Q-SYS NS Series network switches eliminate the need for time consuming network configuration and troubleshooting on site, thereby reducing labor costs, minimizing system commissioning time and reducing the need for network support specialists.

The Q-SYS NS Series network switches include QSC developed AV&C (audio, video and control) profiles that provide optimal QoS (Quality of Service) configuration for Q-LAN audio, Q-LAN video, Dante™ audio (standard and low latency modes), and AES67 audio streaming formats. The preloaded configurations for the NS Series network switches provide DSCP (Differential Services Code Point) values appropriate for each AV&C profile in addition to advanced protocol detection and queue mapping to ensure that all time-critical media data described above is prioritized appropriately for on-time delivery.

In order to ensure optimal performance for real-time media in situations with large amounts of multicast traffic, the Q-SYS NS Series network switches also include a preconfigured IGMP Querier and IGMP Snooping to facilitate multicast filtering and forwarding whenever necessary.

The Q-SYS NS Series products are economical, enterprise grade, access class, managed network switch products. The Q-SYS NS Series network switches are Dell EMC N1100P-ON series OEM hardware products that are preconfigured for Q-SYS AV&C applications. The Q-SYS NS Series switch products are offered in 8-port, 24-port and 48-port models. All Q-SYS NS Series models offer 1 GbE (1000 Mbps) operation on their primary copper ports. Additionally, all Q-SYS NS Series network switches offer 1GbE and/or 10GbE uplinks via optional SFP (Small Form-factor Pluggable) modules. All Q-SYS NS Series network switches are PSEs (Power Sourcing Equipment) and are compliant with IEEE 802.3af and IEEE 802.3at PoE and PoE+ (Power over Ethernet) standards, having power budgets of 75, 190, and 375 W on the first 4, 12, and 24 ports respectively.

QSC Q-SYS NS Series models

NS-1108P	8x 10/100/1000 Mbps (4x PoE/PoE+, 75 Watts), 2x 1GbE, 2 SFP (GbE)	
NS-1124P	24x 10/100/1000 Mbps (12x PoE/PoE+, 190 Watts), 1x 1/10GbE, 4 SFP/SFP+ (10GbE)	
NS-1148P	48x 10/100/1000 Mbps (24x PoE/PoE+, 375 Watts), 1x 1/10GbE, 4 SFP/SFP+ (10GbE)	

*Network switch and configuration test validation has been carried out by the University of New Hampshire Interoperability Labs, an independent Ethernet testing and qualification specialist. For more information, please contact UNH-IOL http://www.iol.unh.edu

Every attempt has been made to ensure that the pre-installed switch configuration natively provides all prioritization and management functions required for a typical Q-SYS installation, including common third party devices. However, should the Q-SYS system installer need to adapt the switch configuration for any reason, the QSC-supplied configurations provide default IP addresses and administrative credentials that allow a network professional to access the NS Series network switches using a common web browser.

Default IP Configurations:
192.168.0.130, 255.255.255.0 : NS-1108P (8-port)
192.168.0.140, 255.255.255.0 : NS-1124P (24-port)
192.168.0.150, 255.255.255.0 : NS-1148P (48-port)

Default credentials:
Username: admin
Password: qscsystems

IMPORTANT

It should be noted that QSC Support can only assist with support inquiries when the NS Series Network Switch is running the original, unedited switch configuration. However, QSC Support can assist the user in returning the Q-SYS NS Series to the default, QSC pre-configured switch configuration if necessary.

TD-001583-01

QSC

Q-SYS Contact Information

Q-SYS 24/7 Emergency Support:

1-888-252-4836 (North America)
1-949-791-7722 (All other regions)

Q-SYS 24/7 Support is for Emergency assistance with Q-SYS systems only. 24/7 support guarantees a call back within 30 minutes after a message is left. Please include: Name, Company, Call Back Number and description of the Q-SYS emergency for prompt call back. If calling during business hours please use the standard support contact telephone numbers or e-mail.

24/7 Q-SYS® SUPPORT

Q-SYS Applications Engineering Team (AET) and Technical Services Group (TSG) Non-Emergency Support:

1-800-772-2834 (North America)
1-714-957-7150 (All other regions)
Q-SYS support e-mail: qsyssupport@qsc.com

Q-SYS AET & TSG telephone support is available
Monday – Friday, 7AM to 5PM PST (excluding holidays)