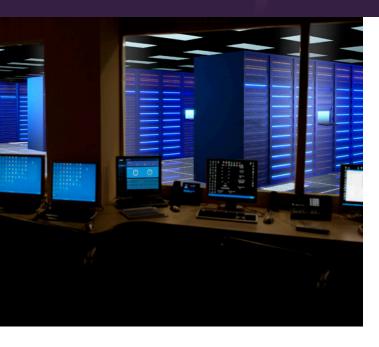


QX-S4100 Series PoE+ Gigabit Ethernet Switches



At a Glance

- Versatile Power over Ethernet Plus (PoE+) switches that can be utilized in SDN (OpenFlow) network environments as edge devices or standalone
- · Connects to IP telephones or other devices that require PoE
- Supports NEC's ProgrammableFlow Controller Edge Automation capability which:
 - Extends some of the SDN functions to non-OpenFlow switches
 - Simplifies configuration and management of switch
- Saves time and expense by not having to install electrical power wiring
- Offers the flexibility of placing PoE devices where needed most and ability to relocate them easily
- Can be managed by the SDN Controller, WebGUI management console or Command Line Interface (CLI)

Overview

NEC's QX-S4100 Series Power over Ethernet Plus (PoE+) Gigabit switches offer businesses the flexibility to easily deploy PoE devices wherever needed. These versatile switches can be used as edge devices in a Software Defined Network (SDN) or they can be standalone. The QX-S4100 series fully supports NEC's ProgrammableFlow Controller (PFC) Edge Switch Automation capability, and can be configured and managed directly through the PFC's Graphical User Interface (GUI).

Since a PoE switch enables network cables to carry electrical power, installing additional power outlets is not required – saving time and expense. Another advantage is scalability – PoE enables quick and efficient deployment of network devices.

Main Product Features

- 8, 16, 24 and 48 PoE+ 10/100/1000 Ethernet Ports (can connect to IP phones and other PoE devices that require up to 30W)
- 2 or 4 Gigabit SFP Uplink ports
- Support for L2 and L3 forwarding, QoS, Security, Multicast, & VLAN
- CLI and WebGUI management console



QX-S4100 Series WebGUI

Specifications

Features			S4108GT-2G-PW	S4116GT-4G-PW	S4124GT-4G-PW	S4148GT-4G-PW		
	Switching capacity [bps]		20.0G	40.0G	56.0G	104.0G		
Performance	Transfer rate [pps]		14.8M	29.7M	41.6M	77.3M		
	Switching method			S8				
	MAC address table			16				
	Routing table (IPv4/IPv6)		64/64					
	ARP table		256					
Interface	Ai ii tabie	10/100-1000BASE-T	8	16	28	48		
	1Gbe Console Port	SFP slot	2	4	4c	4		
		311 3101	∠ √	4 √	4 €	√ ·		
						48		
PoE+	Number of power feedable interfaces							
	Power feeding standard		IEEE802.3at 30.0W					
	Maximum power supply amount per port		405.0\4\			0.0147		
	Maximum power supply amount per device		125.0W	170.0W		0.0W		
IRF	IRF stack version		IRFv2					
	Maximum number of IRF stacks		4					
	MAD/ISSU		√/- /					
	IEEE802.1Q		√ ,					
	Port VLAN		√ ,					
	Protocol VLAN		√ ,					
VLAN	Voice VLAN		\checkmark					
	Maximum number of VLAN [number of settable IP addresses]		4094[32]					
	VLAN mapping		√					
	QinQ		√					
	Auto Negotiation/ fixed speed and duplex (full/half)		$\sqrt{/}$					
	Auto MDI • MDIX/ fixed MDIX		√/√					
	Flow control (IEEE802.3X)		\checkmark					
Port function	EAP transmitted/BPDU transmitted		\checkmark / \checkmark					
	Port isolate		√					
	Packet transfer suppression		B/M/U					
	Storm-constrain		B/M/U					
	Jumbo Frame (byte)		10000					
	Loop detection (multi port loop supported)		√					
	One-way link detection (DLDP)		√					
	Ethernet OAM (IEEE802.3ah)		\checkmark					
	Link aggregation (LACP supported)		\checkmark					
Spanning tree			S/R/M/P					
Ring protocol (RRPP)			√					
Packet filter (ACL)			√					
IPv6 management			√					
QoS	PQ		\checkmark					
	WRR		\checkmark					
	Bandwidth control		LR/CAR/GTS					
	Trust/Marking		√/√					
	Number of QoS classes			8				

Specifications (cont.)

Features		S4108GT-2G-PW	S4116GT-4G-PW	S4124GT-4G-PW	S4148GT-4G-PW	
Security	802.1X authentication	\checkmark				
	MAC address authentication	\checkmark				
	Web authentication	\checkmark				
	Triple authentication	\checkmark				
	Port security	\checkmark				
	Dynamic VLAN	PORT/MAC				
	Local authentication	\checkmark				
Routing related	Static	\checkmark				
	BFD	\checkmark				
Multicasting	Multicast VLAN	\checkmark				
	IGMPv1/v2/v3 snooping	\checkmark				
	MLDv1/v2 snooping	\checkmark				
SDN Ready	SDN supported	Edge Automation				
	Maximum flow entry	16K				
	telnet/ssh/WEB console	$\sqrt{/\sqrt{/}}$				
	FTP • TFTP client/FTP server	$\sqrt{/}$				
	LLDP	√				
	DHCP	C/R/SV/SN				
	NTP client/NTP server	√/-				
Management function	Syslog	\checkmark				
	Log file	\checkmark				
	SNMPv1/v2c/v3	\checkmark				
	Standard MIB, Private MIB	\checkmark				
	RMON	\checkmark				
	sFlow	\checkmark				
	Port mirroring	$\sqrt{}$				
Eco function	Scheduled task	\checkmark				
	External dimension (W x D x H) [mm]	330 x 230 x 43.6		440 x 266 x 43.6	440 x 406 x 43.6	
Physical specification	Weight	2.8kg 4.6kg		6.4kg		
	AC power input (50/60Hz)	100~240V (90~264V)				
	Maximum power consumption (PoE fed power included)	161W	226W	470W	494W	
	Fanless	\checkmark		-		
	Operating temperature/humidity (non-condensing required)		0~50°/10~90%			

√ = Available

- = Not Available

S4108GT-2G-PW



S4116GT-4G-PW



S4124GT-4G-PW



S4148GT-4G-PW



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