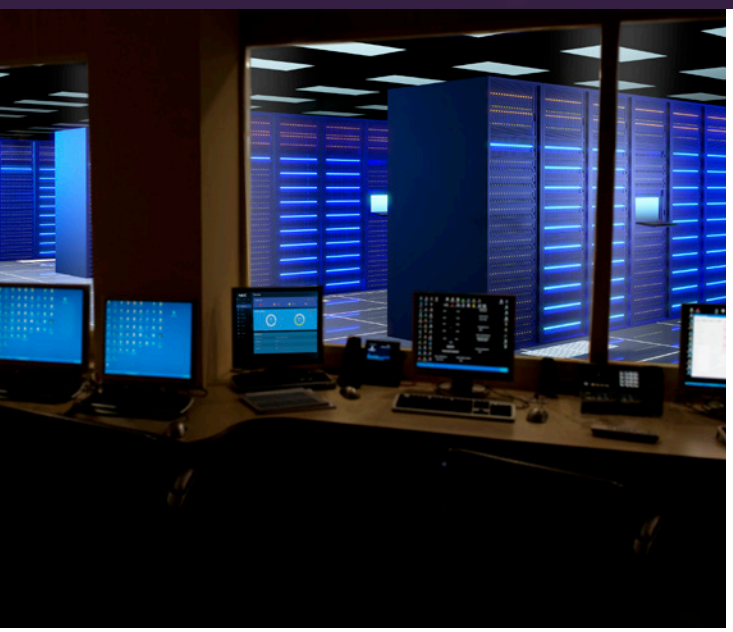
Data Sheet

\Orchestrating a brighter world NEC

QX-S1100 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 NOE controller, including the UC-SDN solution which 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 NOE GUI management console or Command Line Interface (CLI)

Overview

NEC's QX-S1000 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-S1100 series fully supports NEC's NOE controller.

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-S1000 Series WebGUI

Specifications

Features			S1108GT-2G-PW	S1116GT-4G-PW	S1124GT-4G-PW
Performance	Switching capacity [bps]		20.0G	40.0G	56.0G
	Transfer rate [pps]		14.8M	29.7M	41.6M
	Switching method			S&F	
	MAC address table			16K	
	Routing table (IPv4/IPv6)			-	
	ARP table			256	
Interface	1Gbe	10/100-1000BASE-T	8	16	28
		SFP slot	2	4	4
	Console Port		√	√	√
PoE+	Number of power feedable interfaces		8	16	24
	Power feeding standard			IEEE802.3af/at	
	Maximum power supply amount per port			30.0W	
	Maximum power supply amount per device		125.0W	170.0W	370.0W
IRF	IRF stack version			-	
	Maximum number of IRF stacks			-	
	MAD/ISSU			-	
VLAN	IEEE802.1Q			√	
	Port VLAN			√	
	Protocol VLAN			-	
	Voice VLAN			√	
	Maximum number of VLAN			4094	
	VLAN mapping			-	
	QinQ			-	
Port function	Auto Negotiation/ fixed speed and duplex (full/half)			√ / √	
	Auto MDI • MDIX/ fixed MDIX			√ / √	
	Flow control (IEEE802.3X)			√	
	EAP transmitted/BPDU transmitted			√ / √	
	Port isolate			√	
	Packet transfer suppression			B/M/U	
	Storm-constrain			-B/M/U	
	Jumbo Frame (byte)			10240	
	Loop detection (multi port loop supported)			√	
	One-way link detection (DLDP)			√	
	Ethernet OAM (IEEE802.3ah)			-	
	Link aggregation (LACP supported)			√	
Spanning tree				S/R/M/P	
Ring protocol (RRPP)				-	
Packet filter (ACL)				√	
IPv6 management				√	
QoS	SPQ			√	
	WRR			√	
	Bandwidth control			LR	
	Trust/Marking			√	
	Number of QoS classes			8	

√ = Available

- = Not Available

Specifications (cont.)

Features		S1008GT-2G-PW	S1016GT-4G-PW	S1024GT-4G-PW
Security	802.1X authentication	√		
	MAC address authentication	√		
	Web authentication	-		
	Triple authentication	-		
	Port security	√		
	Dynamic VLAN	PORT/MAC		
	Local authentication	√		
Routing related	Static	-		
	BFD	-		
Multicasting	Multicast VLAN	-		
	IGMPv1/v2/v3 snooping	√		
	MLDv1/v2 snooping	√		
SDN Ready	SDN supported	NOE (Network Operation Engine)		
	Maximum flow entry	-		
Management function	telnet/ssh/WEB console	√ / √ / √		
	FTP • TFTP client/FTP server	√ / √		
	LLDP	√		
	DHCP	C/SV/SN		
	NTP client/NTP server	√ / -		
	Syslog	√		
	Log file	-		
	SNMPv1/v2c/v3	√		
	Standard MIB, Private MIB	√		
	RMON	√		
	sFlow	-		
	Port mirroring	√		
Eco function	Scheduled task	-		
Physical specification	External dimension (W x D x H) [mm]	330 x 231 x 43.6		440 x 266 x 43.6
	Weight	2.8 kg		4.7 kg
	AC power input (50/60Hz)	100~240V (90~264V)		
	Maximum power consumption (PoE fed power included)	162W	226W	468W
	Fanless	-		
	Operating temperature/humidity (non-condensing required)	0~50°/10~90%		

√ = Available

- = Not Available

S1108GT-2G-PW

S1116GT-4G-PW

S1124GT-4G-PW

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