\Orchestrating a brighter world

NEC

QX-S5124GP-4X
Gigabit Ethernet Switches

At a Glance

* Versatile Power over Ethernet Plus (PoE+) switches that can be utilized in both traditional and SDN network environments as edge devices or standalone

* Supports NEC's Network Operation Engine that provides network automation and virtualization managed through an easy-to-use management interface. It simplifies day to day network management with drag-and-drop network configuration and high-availability resulting in a secure, flexible and centrally configurable Enterprise Campus Network.

* Can be managed by the NOE Controller, WebGUI management console or Command Line Interface (CLI)

Overview

NEC's QX-S5100 Series Power over Ethernet Plus (PoE+) Gigabit switches offer businesses the flexibility to easily deploy PoE devices wherever needed.

▌ Main Product Features

* 24 10/100/1000 Ethernet SFP Ports

* 4 10 Gigabit SFP+ Uplink ports

* 8 10/100/1000 BaseT interfaces (combo ports)

* Support for L2 and L3 forwarding, QoS, Security, Multicast, & VLAN

* Support Static and RIP policy-based Routing funtions

* CLI and WebGUI management console

* SDN compatible (Network Operation Engine)

* High Speed stack connection function (Intelligent Resilient Framework

* Power modules: PSR150-A1 (2 slots available, one or two power modules can be installed) - Must be ordered separately

QX-S5100 Series WebGUI

Specifications

Features			S5124GP-4X
Performance	Switching capacity [bps]		128.0G
	Transfer rate [pps]		95.2M
	Switching method		S&F
	MAC address table		16K
	Routing table (IPv4/IPv6)		512/256
Interface	ARP table		1K
	1/10Gbe	SFP slot	24
		SFP+ slot	4
	1Gbe	10/100/1000 BaseT	8 (combo ports)
	Console Port		√
PoE+	Number of power feedable interfaces		-
	Power feeding standard		
	Maximum power supply amount per port		
	Maximum power supply amount per device		
IRF	IRF stack version		IRFv2
	Maximum number of IRF stacks		6
	MAD/ISSU		√/ -
VLAN	IEEE802.1Q		√
	Port VLAN		√
	Protocol VLAN		√
	Voice VLAN		√
	Max. number of VLAN *[number of settable IP addresses]*		4094[32]
	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)		10000
	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	PQ		√
	WRR		√
	Bandwidth control		LR/CAR/GTS
	Trust/Marking		√/ √
	Number of QoS classes		8

√ = Available

- = Not Available

Specifications (cont.)

Features		S5124GT-4X
Security	802.1X authentication	√
	MAC address authentication	√
	Web authentication	√
	Triple authentication	√
	Port security	√
	Dynamic VLAN	PORT/MAC
Routing related	Local authentication	√
	Static	√
	RIP, OSPF	√
	Policy-Based Routing	√
	VRRP	√
	BFD	√
Multicasting	Multicast VLAN	√
	IGMPv1/v2/v3 snooping	√
	MLDv1/v2 snooping	Network Operation Engine (NOE)
SDN Ready	SDN supported	
	Maximum flow entry	500
Management function	telnet/ssh/WEB console	√ / √ / √
	FTP · TFTP client/FTP server	√ / √
	LLDP	√
	DHCP	C/R/SV/SN
	NTP client/NTP server	√ / -
	Syslog	√
	Log file	√
	SNMPv1/v2c/v3	√
	Standard MIB, Private MIB	√
	RMON	√
	sFlow	√
	Port mirroring	√
	Scheduled task	√
Eco function	IEEE802.3az	√
Physical specification	External dimension (W x D x H) [mm]	440 x 360 x 43.6
	Weight	6 kg
	AC power input (50/60Hz)	100~240V (90~264V)
	Maximum power consumption (PoE fed power included)	64W
	Fanless	-
	Operating temperature/humidity (non-condensing req.)	0~45˚/10~90%
VCCI ClassA / RoHS support		√ / √

√ = Available

- = Not Available

S5124GP-4X

For further information please contact your local NEC representative or:

About NEC Corporation: NEC Corporation is one of the world's leading providers of Internet, broadband network and enterprise business solutions dedicated to meeting the specialized needs of its diverse and global base of customers. NEC delivers tailored solutions in the key fields of computer, networking and electron devices, by integrating its technical strengths in IT and Networks. The NEC Group employs more than 150,000 people worldwide. For additional information, please visit the NEC home page at: http://www.nec.com