

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 functions
- 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
		SFP+ slot
	1Gbe	10/100/1000 BaseT
	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	√/ -
	IEEE802.1Q	√
VLAN	Port VLAN	√
	Protocol VLAN	√
	Voice VLAN	√
	Max. number of VLAN <i>[number of settable IP addresses]</i>	4094[32]
	VLAN mapping	√
Port function	QinQ	√
	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)	√
Spanning tree	Link aggregation (LACP supported)	√
		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	√
	External dimension (W x D x H) [mm]	440 x 360 x 43.6
Physical specification	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



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