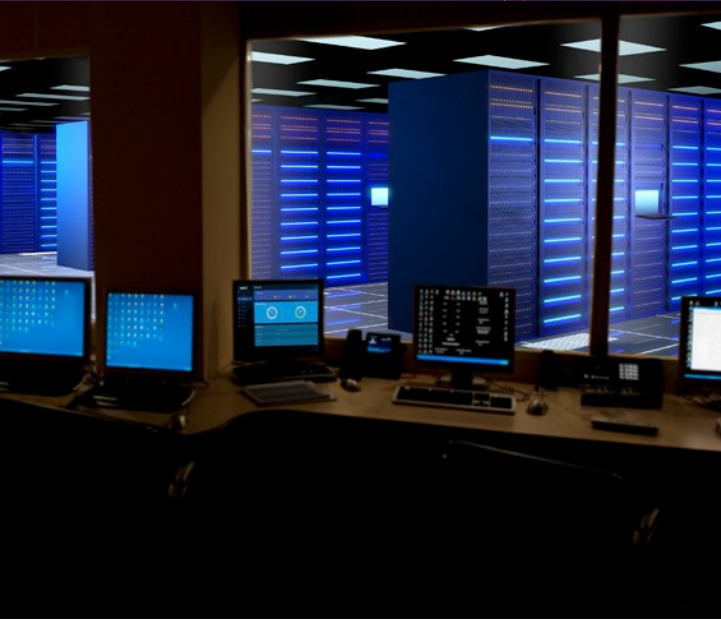\Orchestrating a brighter world   **NEC**

QX-S4800 Series 10 Gigabit Ethernet Switches

At a Glance

- Versatile 1/2.5/5/10 Gbps L3 switches that can be utilized in both traditional and SDN network environments as edge or aggregation 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, management console or Command Line Interface (CLI)

Overview

NEC's QX-S4800 Series 1/2.5/5/10 Gbps L3 switches offer businesses the flexibility to easily deploy PoE devices wherever needed.

Main Product Features

- 8/14/24 1/2.5/5/10 Ethernet Ports
- 2 10 Gigabit SFP+ Uplink ports (on 8 and 14 ports models)
- Support for L2 and L3 forwarding, QoS, Security, Multicast, & VLAN
- Support static, policy-based and RIP/OSPF/BGP Routing functions
- CLI and WebGUI management console
- SDN compatible (Network Operation Engine)
- High Speed stack connection function (Intelligent Resilient Framework
- The 24 ports model requires:
    - Power modules: PSR360-56A (2 slots available, one or two power modules can be installed) - Must be ordered separately
    - Fan trays: LSPM5FANSB (2 slots available, two power modules are required) - Must be ordered separately

Specifications

Features		S4808XT-2X	S4814XT-2X	S4824XT-1C
Performance	Switching capacity [bps]	200.0G	320.0G	640.0G
	Transfer rate [pps]	148.8M	238.0M	239.5M
	Switching method	S&F		
	MAC address table	32K/16K (shared with the ARP table)		
	Routing table (IPv4/IPv6)	16K/8K		
	ARP table	7.5K/16K (shared with the MAC table)		
Interface	1/2.5/5/10 BASE-T	8	14	24
	1 SFP+ slot	2	2	-
	Console Port / Management Port	√	√	√
IRF	IRF stack version	IRFv2		
	Maximum number of IRF stacks	9		
	MAD/ISSU	√ / √		
VLAN	IEEE802.1Q	√		
	VLAN Type	PORT/PROT/IPSub		
	Private VLAN	√		
	Voice VLAN	√		
	Maximum number of VLAN [number of settable IP addresses]	4094[1024]		
	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)	√		
	CFD (IEEE802.1ag)	√		
	Link aggregation (LACP supported)	√		
Spanning tree		S/R/M/P		
Ring protocol (RRPP)		√		
Packet filter (ACL)		√		
IPv6 management		√		
QoS	SPQ / WRR / WFQ / WRED	√ / √/- / -		
	Bandwidth limitation (* 10)	LR/CAR/GTS		
	Trust / marking	√ / √		
	Number of QoS classes	8		
Security	Corresponding authentication method	.1X/MAC/WEB/LOC		
	Port security	√		
	Dynamic VLAN	PORT/MAC		

√ = Available

- = Not Available

Specifications (cont.)

Features		S4808XT-2X	S4814XT-2X	S4824XT-1C
Routing	Static / PBR		√ / √	
	RIP		V1 / v2 / ng	
	OSPF		V2 / v3	
	BGP		4 / 4+	
	VRRP		√	
	BFD		√	
	VRF-Lite (MCE)		√	
Multicasting	Multicast VLAN		√	
	IGMPv1 / v2 / v3 snooping		√	
	MLD v1 / v2 snooping		√	
	IGMPv1 / v2 / v3		√	
	MLDv1 / v2		√	
	PIM-SM / PIM-SSM		√ / √	
Tunneling			GRE tunnel: IPv4 over IPv4, IPv4 over IPv6, IPv6 over IPv4, IPv6 over IPv6	
SDN	Controller		Network Operation Engine (NOE)	
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		√	
Eco function	Scheduled task		√	
	EEE (IEEE802.3az)		√	
Physical specification	External dimension (W x D x H) [mm]	440 x 260 x 43.6		440 x 460 x 43.6
	Weight	3.6 kg	3.7 kg	5.3 kg
	AC power input (50/60Hz)		100~240V (90~264V)	
	Maximum power consumption	44 W	60 W	120 W
	Operating temperature/humidity (non-condensing required)		0~45°C/10~90%	

√ = Available

- = Not Available

S4808XT-2X

S4814XT-2X

S4824XT-1C

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