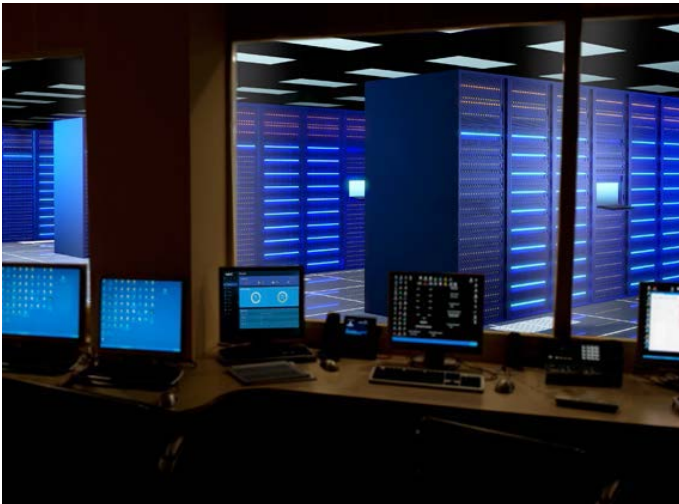


QX-S6600 Series Aggregation 10 Gigabit Ethernet Switches



Overview

NEC's QX-S6600 Series 10 Gigabit aggregation switches offer businesses the flexibility to easily connect multiple edge switches with 10 Gigabit up-links.

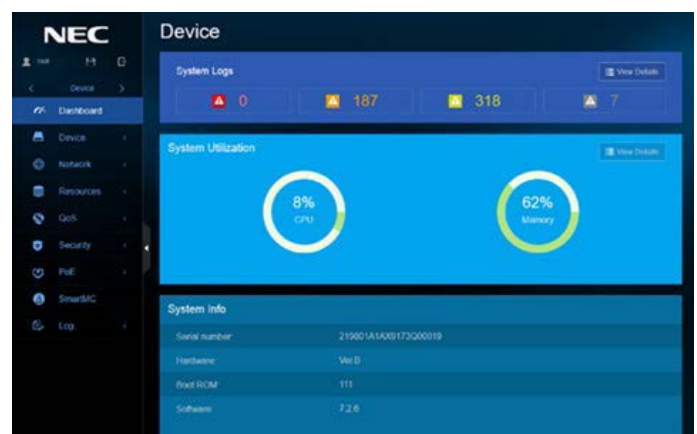
The six 40 Gigabit up-links offer high bandwidth in single or redundant configurations.

Main Product Features

- > 48 10 Gigabit ports (copper or SFP+) with six 40 Gbps up-links (QSFP+)
- > 32 40 Gigabit ports (QSFP+)
- > Support for L2/L3 forwarding, QoS, Security, Multicast & VLAN
- > CLI and WebGUI management console

At a Glance

- > Versatile Aggregation switches targeted for Enterprise networks
- > In conjunction with QX-S5200 series (1G PoE access switch with 10G Ethernet up-links) and QX-S4100 series (1G PoE access switch with 1G Ethernet up-links) can be used to implement a complete enterprise network
- > Full featured L2 and L3 forwarding
- > Available in two configurations:
 - 48 10 Gigabit ports with six 40 Gbps up-links
 - 32 40 Gigabit ports
- > Redundant power supply



QX-S6600 Series WebGUI

Specifications

Features		S6648XP-6Q	S6648XT-6Q	S6632QP	
Performance	Switching capacity [bps]	1440.0G		2560.0G	
	Transfer rate [pps]	1071.4M		1428.5M	
	Switching method	S&F			
	MAC address table	288K			
	Routing table (IPv4/IPv6)	16K/8K			
	ARP table	16K			
Interface	10Gbe	1/10GBASE-T	-	48	-
		SFP+ slot	48	-	-
	40Gbe	QSFP+ slot	6	6	32
Management	Console Port	√	√	√	
	Management Port	2 (RJ45, SFP)		1	
IRF	IRF stack version	IRFv2			
	Maximum number of IRF stacks	9			
	MAD/ISSU	√ / √			
VLAN	IEEE802.1Q	√			
	Port VLAN	√			
	Protocol VLAN	√			
	Voice VLAN	√			
	VLAN mapping	√			
	QinQ	√			
	Max. number of VLAN (nr of settable IP addresses)	4094{2048}			
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)	1000			
	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	√			
	WFQ	√			
	WRED	√			
	Bandwidth control	LR/CAR/GTS			
	Trust/Marking	√			
	Number of QoS classes	8			

√ = Available / - = Not Available

QX-S6600 Series Aggregation 10 Gigabit Ethernet Switches

Specifications

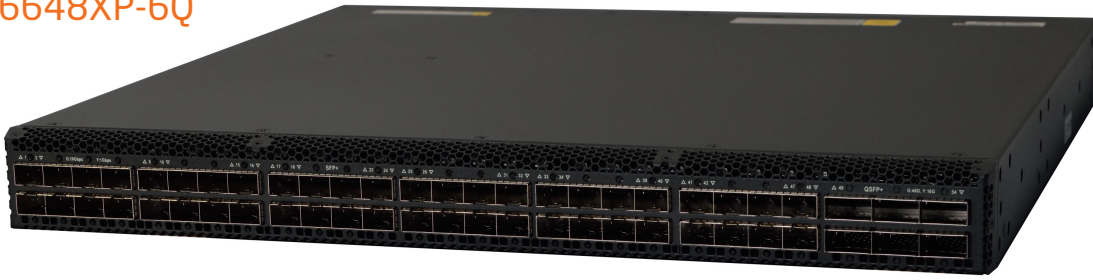
Features		S6648XP-6Q	S6648XT-6Q	S6632QP
Security	802.1X authentication		-	
	MAC address authentication		-	
	Web authentication		-	
	Triple authentication		-	
	Port security		-	
	Local authentication		√	
Tunnel		GRE tunnels (IPv4 over IPv4 / IPv4 over IPv6 / IPv6 over IPv4, IPv6 over IPv6)		
Routing related	Static		√	
	BFD		√	
	RIP (v1, v2), OSPF (v2, v3), BGP (v4)		√	
	Policy Based Routing, VRPP, VFR-lite		√	
Multicasting	Multicast VLAN		√	
	IGMPv1/v2/v3 snooping		√	
	MLDv1/v2 snooping		√	
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		√
Physical specification	External dimension (W x D x H) [mm]	440 x 401 x 44.0	440 x 461 x 44.0	440 x 661 x 43.6
	Weight	5.8 kg	7.2 kg	10.6kg
	AC power input (50/60Hz)	100~240V (90~264V)		
	Maximum power consumption	177W	280W	374W
	Redundant power supply		√	
	Operating temp/humidity (non-condensing req.)	0~45°/10~90%		

√ = Available / - = Not Available



QX-S6600 Series Aggregation 10 Gigabit Ethernet Switches

S6648XP-6Q



S6648XT-6Q



S6632QP



For further information please contact your local NEC representative or:

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