

# QN-SWI220-8P

## PRODUCT OVERVIEW

- QN-SWI220-8P Switch provides Layer 2 and Layer 3 switching. This industrial ethernet switches are designed for use in harsh environments and allow you to build cost-effective, reliable and secure industrial networks. The SWI220 series features are designed to meet the diverse needs of large enterprise networks.
- Supports management through Quantum® RUDDER , the users will have enterprise-class single-point-of-management of the entire enterprise network using Quantum® RUDDER .
- Provides 10G SFPP uplink interfaces on all models with non-blocking switching capabilities.
- Provides easily deployed futuristic customer engagement solutions OOB and Network port-based Quantum® RUDDER Onboarding.
- Provides enterprise-class features like VLAN, Routing, STP/MSTP/RSTP, 802.1x etc.
- QN-ISW220-8P comes with three years limited liability manufacturer's warranty from day one.

# QN-SWI220-8P

## KEY FEATURES

- **10 GbE ports optimize network performance.**  
Up to 2x10G SFPP ports for uplinks.
- **One Time Licensing.**  
Quantum® RUDDER serves perpetual management licensing for hassle-free management.
- **Enhanced QoS.**  
QN-SWI220-8P Switch supports configurable QoS queues for converged voice, video, and data applications.
- **Easy to Manage.**  
Easily manage all Quantum Networks products through feature-rich Quantum® RUDDER management console.

# QN-SWI220-8P

## KEY SPECIFICATIONS

General	
Product type	Switch
Model	QN-SWI220-8P
Product description	8x10/100/1000 Base T ports, 2x10 GbE SFP Uplink Ports
Ports	
Gigabit ethernet(RJ45) ports	8
1G/10G Fiber SFP/SFP (uplink Port)	2
Console port	Serial console port (RJ-45)
RJ45 management	OOB (Out of band ) Management
PoE	
PoE+ ports	8
Power budget	240 Watt
Supported PoE type (802.3af/at)	Yes
Layer 2	
Forwarding rate	42 Mpps
Switching throughput	56 Gbps
STP, RSTP	Yes
MSTP	Yes
VLANs	Yes (4094)
MAC based VLANs	Yes
Auto MDI/MDIX	Yes
BPDU guard, root guard	Yes
IGMP/IGMP snooping v1/v2/v3*	Yes
LLDP/LLDP MED	Yes
Port mirroring (Port, ACL, VLAN Based)	Yes
Link aggregation groups	Yes
Jumbo frame	Yes

BPDU filtering	Yes
Ping/TraceRoute/ICMPv6	Yes
Storm control (Broadcast, Multicast, Unicast)	Yes
GVRP	Yes
Loopback detection	Yes
Energy efficient ethernet	Yes
Green ethernet	Yes
<b>Layer 3</b>	
Inter-VLAN routing	Yes
RIPv2	Yes
OSPFv2/v3	Yes
DHCP relay	Yes
DHCP server	Yes
DHCPv6 client	Yes
IPv4 static routing	Yes
IPv4 host routing	Yes
IPv6 static routing	Yes
IPv6 host routing	Yes
IPv6 unicast routing	Yes
ARP table	Yes
IPv6 ND	Yes
IP source guard	Yes
ISATAP	Yes
Policy based routing	Yes
IPv4 Interface	Yes
IPv6 Interface	Yes
Route-only support	Yes
VRRP	Yes
<b>Quality of Service</b>	
Priority queue	Yes
ACL mapping to priority queue	Yes
WRR support	Yes
Strict priority support	Yes
Traffic shaping	Yes
QoS based on classification	Yes
802.1p support	Yes

<b>Security</b>	
ACLs	Yes
DHCP snooping	Yes
802.1x authentication	Yes
MAC authentication	Yes
Radius/Tacacs/Tacacs+	Yes
AAA	Yes
SSH	Yes
Secure copy (SCP)	Yes
DoS protection	Yes
Local username/password	Yes
Protected ports	Yes
RA guard	Yes
<b>Management</b>	
Cloud management	Yes (RUDDER)
Industrial standard CLI	Yes
Local management	Yes (Stand alone)
Stacking	Yes
SNMP v1/v2/v3	Yes
TFTP support	Yes
SPAN/RSPAN	Yes
sFLOW	Yes
RMON	Yes
Telnet support	Yes
SNTP	Yes
Syslog server	Yes
IPv6 management	Yes
Storage & File management with USB	Yes
Firmware auto install support	Yes
Password management	Yes
<b>Environmental</b>	
Operating temperature	-40°C to 85°C
RoHS compliant	Yes

## ORDERING INFORMATION

Part Number	Description
<b>QN-SWI220-8P</b>	Quantum QN-SWI220-8P Networking Switch, 8×10/100/1000 Base T ports, 2x10 GbE SFP Uplink Ports, Includes cloud controller license and 3 Years online activation warranty.