# DrayTek

VigorSwitch PQ2200xb/Q2200x

Full 2.5GbE L2+ Managed Switch

DrayTek VigorSwitch Q2200x series features in 2.5GbE ports for LAN and 10G SFP+ for uplink/downlink. Together with WiFi6 VigorAPs (e.g., VigorAP 1060C), Q2200x series brings the full WiFi 6 performance to LAN clients. Supporting advanced Layer 3 features, DHCP Server and VLAN Routing. The PoE model PQ2200xb has 4 PoE++ ports providing up to 90W per port and 12 PoE+ ports.
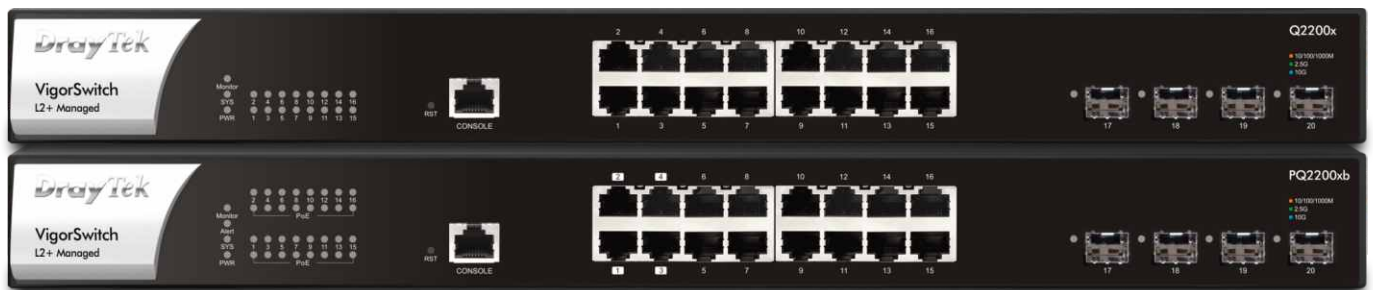
Console Port   16x 2.5G Ethernet   4x SFP+ Ports

Interface

LAN Port	16x 10/100/1000/2500Mbps Ethernet, RJ-45
	4x 1000Mbps/10Gbps SFP+ slot
Console Port	1x RJ-45
Button	1x Factory Reset

Capacity

Buffer Size	12 Mbit
Switching Capacity	160 Gbps
Forwarding Rate	119.04 Mpps (64 bytes)
MAC Address Table	16k
Jumbo Frame	Up to 10 KB
L3 Routing Table	6k static route + 512 prefix route

PoE (PQ2200xb)

PoE Capable Ports	4x PoE/PoE+/PoE++ (802.3af/at/bt), up to 90W per port, Type mode A
	12x PoE/PoE+ (802.3af/at), up to 30W per port, Type mode A
PoE Power Budget	400 watts
Power Limit	●
Scheduled On/Off	●
Power Cycle on Port	Manual, Auto by Ping check timeout

Layer 3 Features

Static Route	●
VLAN Route	●
DHCP Server	●

Networking Standards

IP Version	IPv4, IPv6
Ethernet Standards	802.3af PoE/802.3at PoE+/ 802.3bt PoE++ (PQ2200xb) 802.3 10Base-T 802.3u 100Base-T 802.3ab 1000Base-T 802.3bz 2.5GBase-T IEEE802.3ae 10GBase-X 802.3x Flow Control 802.3 Auto-Negotiation 802.1q Tag-based VLAN 802.1p Class of Service 802.1d STP 802.1w RSTP 802.1s MSTP 802.3ad LACP 802.1ad QinQ 802.1x Port Access Control 802.1AB LLDP 802.3az EEE

VLAN

Max.Number of VLAN	256
VLAN Type	802.1q Tag-based MAC-based Protocol-Based Management VLAN Voice VLAN Surveillance VLAN
802.1x Guest VLAN	●
Port Isolation	●
GVRP	●
Q-in-Q	Basic

ONVIF Surveillance

Discovery	●
Surveillance Topology	●
Real-Time Video Streaming	●
ONVIF Device Maintenance	Device Info, Reset Factory Default, Time Settings, Reboot

QoS

Number of QoS Queues	8
Queue Scheduling	SPQ, WRR
CoS (Class of Service)	802.1p CoS, DSCP, CoS-DSCP, IP Precedence
Rate Limit & Shaping	●

Multicast

IGMP Snooping	v2, v3 (BISS)
IGMP Querier	●
MLD Snooping	v1, v2 (Basic)
Max. Number of Multicast Group	256
Group Throttling	●
Group Filtering	●
MVR (Multicast VLAN Registration)	●

Security

Access Control List	MAC, IPv4, IPv6
Storm Control	Broadcast, Unknown Multicast, Unknown Unicast
DoS Defense	●
802.1x Port Access Control	●
IP Source Guard	●
IP Conflict Detection	●
IP Conflict Prevention	●
Loop Protection	●
Dynamic ARP Inspection	●
DHCP Snooping with Option 82	●

Link Aggregation

Max. Number of Group	8
Max. Number of Member in Each Group	8
Type	Static, LACP
Traffic Load Balancing	MAC Address, IP/MAC Address

AAA

Authentication Server	RADIUS, TACACS+
Port Authorization	●
Management Account	●
RADIUS Attribute Assignment	User Privilege, VLAN
Accounting	●
Multiple Server	●

Management

Web Interface	HTTP, HTTPS
Command Line Interface	Telnet, SSH v2
OpenVPN Client	Certificate-based authentication
User Authentication	Local Database, RADIUS, TACACS+
sFlow	●
SNMP	v1, v2c, v3
Private MIB	●
RMON Group	1, 2, 3, 9
LLDP	LLDP-MED, Media Endpoint Discovery Extension
Mail Alert	Port Status, Port Speed, System Restart, IP Conflict
Syslog	●
2-Level Admin Privilege	●
Multiple Admin Accounts	●
Managed by VigorRouter SWM	●
Managed by VigorConnect	●
Managed by VigorACS 3	●
Config File Export/Import	●
Dual Image	●
SNTP	●
Diagnostics Tools	Port Mirroring, Ping, Cable Test

Physical

Operating Temperature	0 to 50°C
Storage Temperature	-20 to 70°C
Operating Humidity	10 to 90% non-condensing
Storage Humidity	5 to 90% non-condensing