

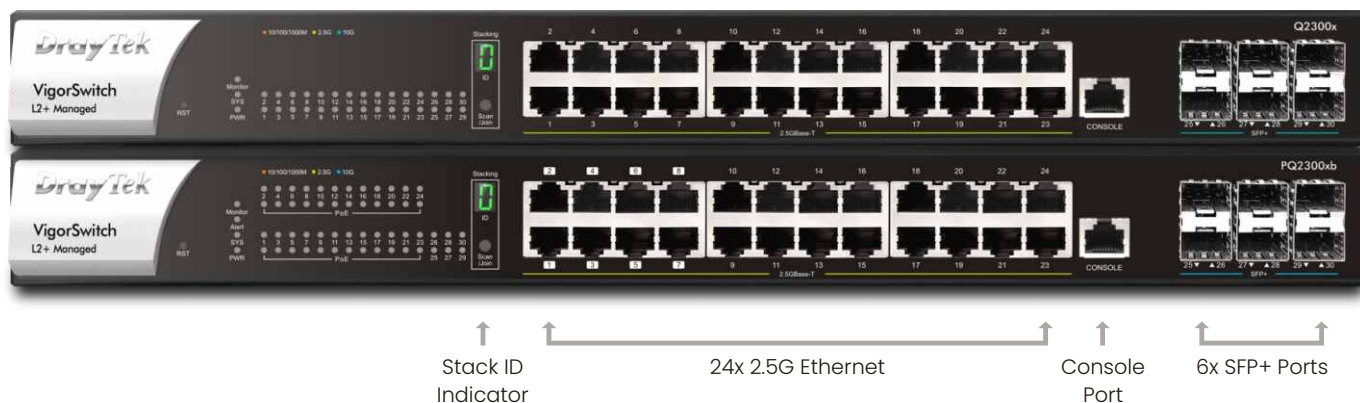
DrayTek

VigorSwitch PQ2300xb/Q2300x

2.5GbE L2+ Managed Switch



DrayTek VigorSwitch Q2300x series features 2.5GbE ports for LAN and 10G SFP+ ports for uplink/downlink. When used with WiFi 6 VigorAPs (e.g., VigorAP 962C), the Q2300x series delivers full WiFi 6 performance to LAN clients. Supporting advanced Layer 3 features, DHCP Server and VLAN Routing. The PoE model PQ2300xb includes 8 PoE++ ports providing up to 90W per port and 16 PoE+ ports.



Interface

LAN Port	24x 10/100/1000/2500Mbps Ethernet, RJ-45 6x 1000Mbps/10Gbps SFP+ slot
Console Port	1x RJ-45
Button	1x Factory Reset 1x Stacking

Performance

Buffer Size	16 Mbit
Switching Capacity	240 Gbps
Forwarding Rate	178.56 Mpps (64 bytes)
MAC Address Table	32k
Jumbo Frame	Up to 12 KB
L3 Routing Table	•

PoE (PQ2300xb)

PoE++ (802.3af/at/bt) Ports	8
PoE+ (802.3af/at) Ports	16
PoE Power Budget	400 watts
Scheduled On/Off	•

Layer 3 Features

Static Route	•
VLAN Route	•
DHCP Server	•

Stacking

Max. Stackable Devices	4
Stacking Topology	Line, Ring

Networking Standards

Ethernet Standards	802.3af PoE/802.3at PoE+/ 802.3bt PoE++ (PQ2300xb) 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
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Spanning Tree

STP	•
RSTP	•
MSTP	•

VLAN

Max.Number of VLAN	512
VLAN Type	802.1q Tag-based MAC-based Protocol-Based Management VLAN Voice VLAN Surveillance VLAN
GVRP	•
Q-in-Q	Basic

ONVIF Surveillance

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

QoS

Number of QoS Queues	8
Queue Scheduling	SPQ, WRR
CoS (Class of Service)	CoS, DSCP, CoS-DSCP, IP Precedence
Rate Limiting	•

Multicast

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

Security

Authentication Server	RADIUS, TACACS+
802.1X/MAC Authentication	•
IP Source Guard	•
Traffic Control	DoS Defense, Storm Control
Dynamic ARP Inspection (DAI)	•
DHCP Snooping	•
IP Conflict Prevention	•
Loop Protection	•

Link Aggregation

Max. Number of Group	8
Max. Number of Member in Each Group	8
Type	Static, LACP
Traffic Load Balancing	•

Management

Local Service	HTTP, HTTPS, Telnet, SSH v2
Config Backup/Restore	•
Dual Image	•
2-Level Administration Privilege	•
Access Control	Access List
OpenVPN Client	•
sFlow	•
SNMP	v1, v2c, v3
RMON Group	1, 2, 3, 9
SNTP (Simple Network Time Protocol)	•
LLDP	•
LLDP-MED	•
Mail Alert	Port Status, Port Speed, System Restart, IP Conflict, Hardware Monitor, Device Check, PoE Warning, ONVIF IP Cam Snapshot
VigorRouter Management (SWM)	•
VigorConnect Management	•
VigorACS Management	•

OpenFlow

Version	1.3
Table Size	1920

*The OpenFlow functionality is project-based and must be activated by DrayTek HQ. Please contact your Sales for further inquiries.

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