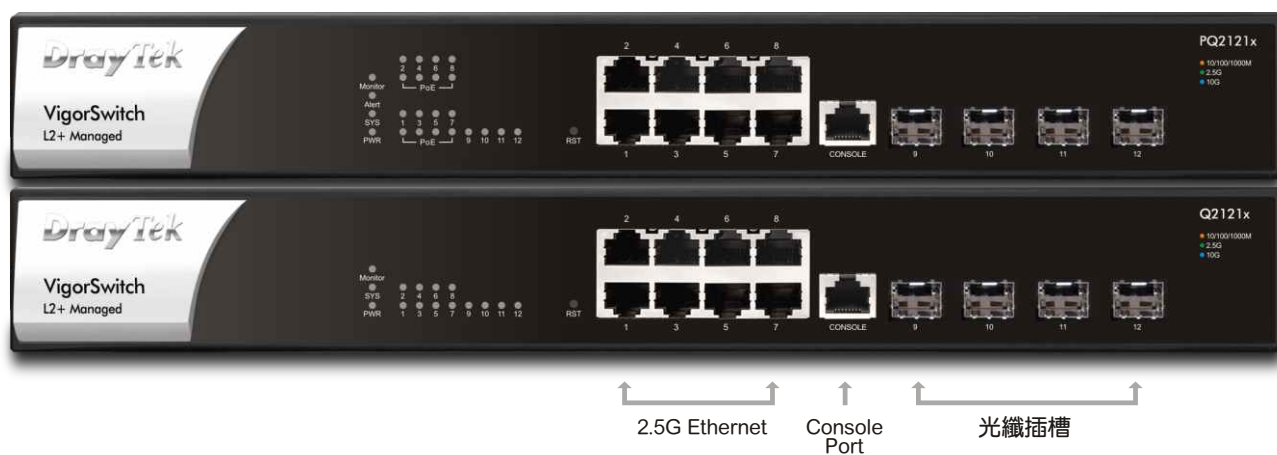


VigorSwitch PQ2121x/Q2121x

L2+管理型2.5G 交換器



VigorSwitch Q2121x 系列搭載 8 個 2.5G 埠口與 4 個 10G SFP+ 光纖插槽，支援進階 Layer 3 功能，包括 DHCP 伺服器與 VLAN 路由，能有效提升整體網路效率，即使 WAN 離線也能確保 LAN 網路持續運作，特別適合中小型企業作為核心交換器使用。



介面

LAN	8 x 10/100/1000/2500Mbps Ethernet, RJ-45 4 x 1000Mbps/10Gbps SFP+ 光纖插槽
Console埠	1 x RJ-45
按鍵	1 x 重置鍵

效能

封包緩衝區	12 Mbit
背板頻寬	120 Gbps
交換轉送率	89.28 Mpps (64 bytes)
MAC位址數量	16k
巨型封包	最多 10KB
L3路由表數量	•

PoE (PQ2121x)

支援PoE埠數	8 x PoE/PoE+ (802.3af/at), 每個端口最高供電30瓦, Type mode A
PoE 總供電量	140 watts
排程啟用/停用電源	•

Layer 3 Features

Static Route	•
VLAN Route	•
DHCP Server	•

網路協定

Ethernet 標準	802.3af PoE/802.3at PoE+ (PQ2121x) 802.3 10Base-T 802.3u 100Base-T 802.3ab 1000Base-T 802.3bz 2.5GBase-T 802.3ae 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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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	•

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

Link Aggregation

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

Spanning Tree

STP	•
RSTP	•
MSTP	•

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, ONVIF IP Cam Snapshot
VigorRouter Management (SWM)	•
VigorConnect Management	•
VigorACS Management	•

物理特性

操作溫度範圍	0 to 50°C
儲存溫度範圍	-20 to 70°C
操作濕度範圍	10 to 90% non-condensing
儲存濕度範圍	5 to 90% non-condensing