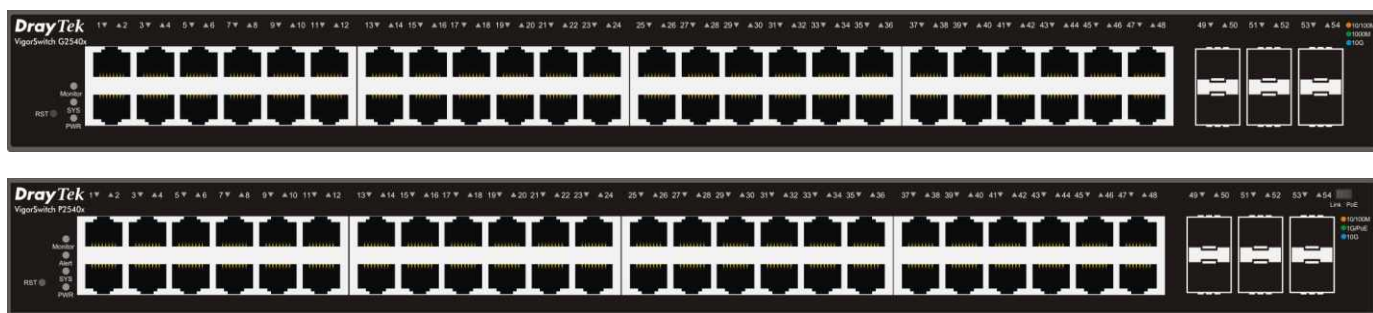


VigorSwitch 2540xs 系列

54埠L2+管理型10G 交換器



居易科技VigorSwitch 2540xs 系列是Layer 2+ 管理型10Gbps網路交換器，備有48個GbE埠口，以及6個SFP+光纖接口，提供速度高達10Gbps的光纖連線。支援簡易的Layer 3功能，包含DHCP伺服器以及VLAN路由功能，提升網路使用效率並確保穩定的網路連線，即使WAN端網路斷線也不影響LAN端網路，是中小企業理想的中心端網路交換器選擇。



↑ Gigabit LAN ports ↑ 光纖插槽

介面

| | |
|----------|---|
| LAN | 48 x 10/100/1000Mbps Ethernet, RJ-45 6 x 1000Mbps/10Gbps SFP+ slot |
| 切換開關 | 1 (Port/PoE LED)(P2540x) |
| Console埠 | 1 x RJ-45 |
| 按鍵 | 1 x 重置鍵 |

效能

| | |
|---------|-------------------------------------|
| 封包緩衝區 | 16 Mbit |
| 背板頻寬 | 216 Gbps |
| 交換轉送率 | 160.7 Mpps (64 bytes) |
| MAC位址數量 | 32k |
| 巨型封包 | 最多 12KB |
| L3路由表數量 | 12k static route + 12k prefix route |

PoE (P2540xs)

| | |
|-----------|---|
| 支援PoE埠數 | 48 |
| PoE協定 | PoE/PoE+ (802.3af/802.3at), Type mode A |
| PoE 總供電量 | 400 watts |
| 供電量限制 | • |
| 排程啟用/停用電源 | • |
| 重啟電源 | 手動, Ping Watchdog |

Layer 3 Features

| | |
|--------------|---|
| Static Route | • |
| VLAN Route | • |
| DHCP Server | • |

網路協定

| | |
|--------------------|--|
| IP Version | IPv4, IPv6 |
| Ethernet Standards | 802.3af PoE, 802.3at PoE+ (P2540x/xs) 802.3 10Base-T 802.3u 100Base-T 802.3ab 1000Base-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 |

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/Prevention | • |
| Loop Protection | • |
| Dynamic ARP Inspection | • |
| DHCP Snooping with Option 82 | • |

AAA

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

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 | • |

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 |

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) | • |

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 Vigor Router SWM | • |
| Managed by VigorConnect | • |
| Managed by VigorACS 2 | • |
| Config File Export/Import | • |
| Dual Image | • |
| SNTP | • |
| Diagnostics Tools | Port Mirroring, Ping, Cable Test |

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 |

| | |
|---------|-----|
| | PoE |
| G2540xs | |
| P2540xs | • |