

## VigorSwitch G2540x

54埠L2+管理型10G 交換器



居易科技VigorSwitch G2540x是一台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。

48 x GbE

10/100/1000Mbps  
Ethernet, RJ-45

6 x 10G 光纖插槽

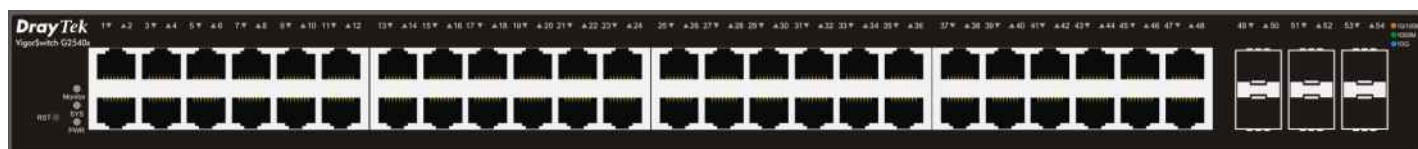
1000Mbps/10Gbps  
fiber slot

216 Gbps

背板頻寬

16 Mbit

封包緩衝區



↑ Gigabit LAN ports ↑ 光纖插槽 ↑

### 介面

LAN	48 x 10/100/1000Mbps Ethernet, RJ-45 6 x 1000Mbps/10Gbps SFP+ slot
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

## 網路協定

IP Version	IPv4, IPv6
Ethernet Standards	802.3af PoE, 802.3at PoE+ (P2540x/xh) 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

## 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	•

## 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	•

## 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)	•

## Layer 3 Features

Static Route	•
VLAN Route	•
DHCP 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 Vigor Router SWM	•
Managed by VigorConnect	•
Managed by VigorACS 2	•
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