

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