

Draytek VigorSwitch G2540x 54-Port Layer 2+ Managed 10G Switch



Product Name: Draytek VigorSwitch G2540x 54-Port Layer 2+ Managed 10G Switch

Manufacturer: -

Model Number: VSG2540X-K

Please Note: This product has been discontinued. Please see the Draytek VigorSwitch P2540x.

Draytek VigorSwitch G2540x 54-Port Layer 2+ Managed 10G Switch

The Draytek VigorSwitch G2540x is a Layer 2+ Managed 10 Gbps switch. With 48x Gigabit Ethernet PoE+ ports providing 400W power budget and 6x SFP+ 10Gbps Fiber links. Supporting advanced Layer 3 features, DHCP Server and VLAN Routing, VigorSwitch P2540x improves network efficiency and helps your LAN network to work continuously even when the gateway is offline, which is ideal to be placed as the core switch in SME/SMB.

Draytek VigorSwitch G2540x Key Features

- 48x GbE 10/100/1000Mbps Ethernet, RJ-45

- 6x 10G SFP+ 1000Mbps/10Gbps fiber slot

- 216 Gbps Switching Capacity

- 160.7 Mpps Forwarding Rate

- 16 Mbit Buffer Size

- Auto Surveillance & Voice VLAN

- ONVIF-Friendly

- Wire-Speed VLAN Routing

- IP Conflict Prevention

- Access Control

- QoS

- IPv6 Ready

- Web-Based GUI

- Multiple Admin Accounts

- Central Switch Management

- Energy-Efficient Ethernet

DHCP Server & VLAN Routing

In a large LAN network, much traffic doesn't go to Internet, but to the servers in LAN. For example, IP cameras store videos to NVR, IP phones register to PBX, clients access to file server, etc.

L2+ switch with DHCP server and VLAN routing functionalities, as the device receiving traffic before the router, is ideal to share the loading of your router and to help your LAN network to work continuously even when the router is offline.

As a DHCP server, VigorSwitch assigns dynamic IP addresses for up to 8 VLANs. With VLAN routing, VigorSwitch supports up to 512 routes.

Bind IP to MAC

As a DHCP Server, layer 2+ VigorSwitch helps reserving IP addresses for your important devices that most users will access frequently.

ONVIF-Friendly

Recognise the ONVIF devices in different VLANs, display surveillance topology, provide UI for video streaming and device maintenance.

Draytek VigorSwitch G2540x Technical Specifications

Interface

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

- Console Port: 1x RJ-45

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1x Button: 1x Factory Reset Button

Capacity

1x Buffer Size: 16 Mbit
1x Switching Capacity: 216 Gbps
1x Forwarding Rate: 160.7 Mpps (64 bytes)
1x MAC Address Table: 32k
1x Jumbo Frame: Up to 12 KB
1x L3 Routing Table: Max. 2k

Networking Standards

1x IP Version: IPv4, IPv6
1x Ethernet Standards:- 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

1x Max.Number of VLAN: 256
1x VLAN Type:- 802.1q Tag-based- MAC-based- Protocol-Based- Management VLAN- Voice VLAN- Surveillance VLAN
1x 802.1x Guest VLAN: Yes
1x Port Isolation: Yes
1x GVRP: Yes
1x Q-in-Q: Basic

ONVIF Surveillance

1x Discovery: Yes
1x Surveillance Topology: Yes
1x Real-Time Video Streaming: Yes
1x ONVIF Device Maintenance: Device Info, Reset Factory Default, Time Settings, Reboot

QoS

1x Number of QoS Queues: 8
1x Queue Scheduling: SPQ, WRR
1x CoS (Class of Service): 802.1p CoS, DSCP, CoS-DSCP, IP Precedence
1x Rate Limit & Shaping: Yes

Security

1x Access Control List: MAC, IPv4, IPv6
1x Storm Control: Broadcast, Unknown Multicast, Unknown Unicast
1x DoS Defense: Yes
1x 802.1x Port Access Control: Yes
1x IP Source Guard: Yes
1x IP Conflict Detection: Yes

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✓ IP Conflict Prevention: Yes
✓ Loop Protection: Yes
✓ Dynamic ARP Inspection: Yes
✓ DHCP Snooping with Option 82: Yes

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: Yes
✓ MLD Snooping: v1, v2 (Basic)
✓ Max. Number of Multicast Group: 256
✓ Group Throttling: Yes
✓ Group Filtering: Yes
✓ MVR (Multicast VLAN Registration): Yes

Layer 3 Features

✓ Static Route: Yes
✓ VLAN Route: Yes
✓ DHCP Server: Yes

AAA

✓ Authentication Server: RADIUS, TACACS+
✓ Port Authorisation: Yes
✓ Management Account: Yes
✓ RADIUS Attribute Assignment: User Privilege, VLAN
✓ Accounting: Yes
✓ Multiple Server: Yes

Management

✓ Web Interface: HTTP, HTTPS
✓ Command Line Interface: Telnet, SSH
✓ OpenVPN Client: Certificate-based authentication
✓ User Authentication: Local Database, RADIUS, TACACS+
✓ sFlow: Yes
✓ SNMP: v1, v2c, v3
✓ Private MIB: Yes
✓ RMON Group: 1, 2, 3, 9
✓ LLDP: LLDP-MED, Media Endpoint Discovery Extension
✓ Mail Alert: Port Status, Port Speed, System Restart, IP Conflict
✓ Syslog: Yes
✓ 2-Level Admin Privilege: Yes
✓ Multiple Admin Accounts: Yes
✓ Managed by VigorRouter SWM: Yes

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• Managed by VigorConnect: Yes
• Managed by VigorACS 2: Yes
• Config File Export/Import: Yes
• Dual Image: Yes
• SNTP (Simple Network Time Protocol): Yes
• Diagnostics Tools: Port Mirroring, Ping, Cable Test

Physical

• 19-inch Rack Mountable: Mounting Kit Included
• Max. Power Consumption: 52 watts
• Dimension (mm): 441(W) x 270(D) x 45(H)
• Weight: 3.97 kg (8 lb)
• 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
• Certificate: CE

Please Enquire