Draytek VigorSwitch P2540x 54-Port Layer 2+ Managed 10G PoE Switch

Product Name: Draytek VigorSwitch P2540x 54-Port Layer 2+ Managed 10G PoE Switch
Manufacturer: Draytek
Model Number: VSP2540X-K

Draytek VigorSwitch P2540x 54-Port Layer 2+ Managed 10G PoE Switch
The Draytek VigorSwitch P2540x 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 P2540x Key Features

ï¿½ 48x PoE/PoE+ 10/100/1000Mbps Ethernet, RJ-45 ports
ï¿½ 6x 10G SFP+ 1000Mbps/10Gpbs fiber slot
ï¿½ 400 watts of PoE Power Budget
ï¿½ 216 Gbps Switching Capacity
ï¿½ Auto Surveillance & Voice VLAN
ï¿½ ONVIF-Friendly
ï¿½ Wire-Speed VLAN Routing
ï¿½ IP Conflict Prevention
ï¿½ Access Control
ï¿½ QoS
ï¿½ IPv6 Ready
ï¿½ Web-Based GUI
ï¿½ Multiple Admin Accounts
ï¿½ Central Switch Management
ï¿½ 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 P2540x Technical Specifications
Interface

ï¿½ LAN Port: 48x 10/100/1000Mbps Ethernet, RJ-456x 1000Mbps/10Gbps SFP+ slot
ï¿½ Console Port: 1x RJ-45
ï¿½ Slide Switch: 1 (Port/PoE LED)
ï¿½ Button: 1x Factory Reset Button

PoE

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ï¿½ PoE Capable Ports: 48
ï¿½ PoE Standards: PoE/PoE+(802.3af/802.3at), Type mode A
ï¿½ PoE Power Budget: 400 watts
ï¿½ Power Limit: Yes
ï¿½ Scheduled On/Off: Yes
ï¿½ Power Cycle on Port: Manual, Ping Watchdog

Capacity

ï¿½ Buffer Size: 16 Mbit
ï¿½ Switching Capacity: 216 Gbps
ï¿½ Forwarding Rate: 160.7 Mpps (64 bytes)
ï¿½ MAC Address Table: 32k
ï¿½ Jumbo Frame: Up to 12 KB
ï¿½ L3 Routing Table: Max. 2k

Networking Standards

ï¿½ IP Version: IPv4, IPv6
ï¿½ Ethernet Standards:- 802.3af PoE- 802.3at PoE+- 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

ï¿½ Max.Number of VLAN: 256
ï¿½ VLAN Type:- 802.1q Tag-based- MAC-based- Protocol-Based- Management VLAN- Voice
VLAN- Surveillance VLAN
ï¿½ 802.1x Guest VLAN: Yes
ï¿½ Port Isolation: Yes
ï¿½ GVRP: Yes
ï¿½ Q-in-Q: Basic

ONVIF Surveillance

ï¿½ Discovery: Yes
ï¿½ Surveillance Topology: Yes
ï¿½ Real-Time Video Streaming: Yes
ï¿½ ONVIF Device Maintenance: Device Info, Reset Factory Default, Time Settings, Reboot

QoS

ï¿½ Number of QoS Queues: 8
ï¿½ Queue Scheduling: SPQ, WRR
ï¿½ CoS (Class of Service): 802.1p CoS, DSCP, CoS-DSCP, IP Precedence
ï¿½ Rate Limit & Shaping: Yes

Security

ï¿½ Access Control List: MAC, IPv4, IPv6
ï¿½ Storm Control: Broadcast, Unknown Multicast, Unknown Unicast

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ï¿½ DoS Defense: Yes
ï¿½ 802.1x Port Access Control: Yes
ï¿½ IP Source Guard: Yes
ï¿½ IP Conflict Detection: Yes
ï¿½ IP Conflict Prevention: Yes
ï¿½ Loop Protection: Yes
ï¿½ Dynamic ARP Inspection: Yes
ï¿½ DHCP Snooping with Option 82: Yes

Link Aggregation

ï¿½ Max. Number of Group: 8
ï¿½ Max. Number of Member in Each Group: 8
ï¿½ Type: Static, LACP
ï¿½ Traffic Load Balancing: MAC Address, IP/MAC Address

Multicast

ï¿½ IGMP Snooping: v2, v3 (BISS)
ï¿½ IGMP Querier: Yes
ï¿½ MLD Snooping: v1, v2 (Basic)
ï¿½ Max. Number of Multicast Group: 256
ï¿½ Group Throttling: Yes
ï¿½ Group Filtering: Yes
ï¿½ MVR (Multicast VLAN Registration): Yes

Layer 3 Features

ï¿½ Static Route: Yes
ï¿½ VLAN Route: Yes
ï¿½ DHCP Server: Yes

AAA

ï¿½ Authentication Server: RADIUS, TACACS+
ï¿½ Port Authorisation: Yes
ï¿½ Management Account: Yes
ï¿½ RADIUS Attribute Assignment: User Privilege, VLAN
ï¿½ Accounting: Yes
ï¿½ Multiple Server: Yes

Management

ï¿½ Web Interface: HTTP, HTTPS
ï¿½ Command Line Interface: Telnet, SSH
ï¿½ OpenVPN Client: Certificate-based authentication
ï¿½ User Authentication: Local Database, RADIUS, TACACS+
ï¿½ sFlow: Yes
ï¿½ SNMP: v1, v2c, v3
ï¿½ Private MIB: Yes
ï¿½ RMON Group: 1, 2, 3, 9
ï¿½ LLDP: LLDP-MED, Media Endpoint Discovery Extension
ï¿½ Mail Alert: Port Status, Port Speed, System Restart, IP Conflict

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ï¿½ Syslog: Yes

ï¿½ 2-Level Admin Privilege: Yes

ï¿½ Multiple Admin Accounts: Yes

ï¿½ Managed by VigorRouter SWM: Yes

ï¿½ Managed by VigorConnect: Yes

ï¿½ Managed by VigorACS 2: Yes

ï¿½ Config File Export/Import: Yes

ï¿½ Dual Image: Yes

ï¿½ SNTP (Simple Network Time Protocol): Yes

ï¿½ Diagnostics Tools: Port Mirroring, Ping, Cable Test, Fan Test

Physical

ï¿½ 19-inch Rack Mountable: Mounting Kit Included

ï¿½ Max. Power Consumption: 478 watts

ï¿½ Dimension (mm): 441(W) x 330(D) x 45(H)

ï¿½ Weight: 5.66 kg (12 lb)

ï¿½ Ventilation: Variable-speed Fan

ï¿½ Operating Temperature: 0 to 50°C

ï¿½ Storage Temperature: -20 to 70°C

ï¿½ Operating Humidity: 10 to 90% non-condensing

ï¿½ Storage Humidity: 5 to 90% non-condensing

ï¿½ Certificate: CE

Please Enquire