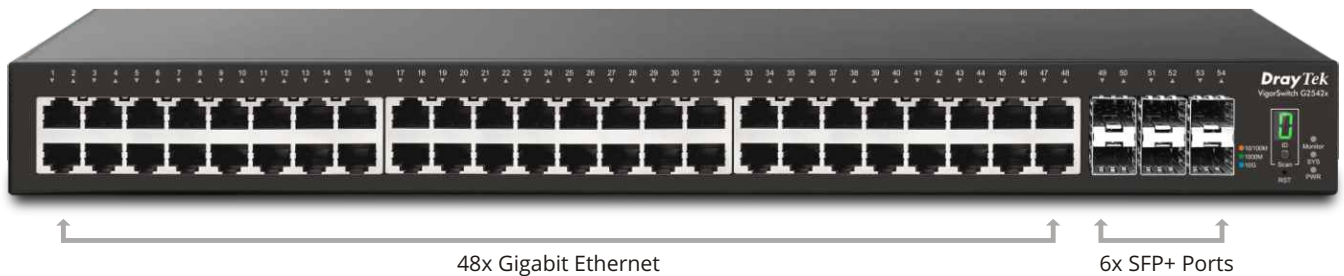


VigorSwitch G2542x

54-Port Layer 2+ Managed 10G Switch



The DrayTek VigorSwitch G2542x features 48 Gigabit Ethernet ports for LAN and 6 SFP+ 10Gbps fiber links. With advanced Layer 3 capabilities, including DHCP Server and VLAN Routing, the VigorSwitch G2542x optimizes network performance and keep your LAN operating even if the gateway goes offline, making it an excellent core switch for SMEs/SMBs.



Interface

LAN Port	48x 10/100/1000Mbps Ethernet, RJ-45 6x 1000Mbps/10Gbps SFP+ slot
Console Port	1x RJ-45
Button	1x Factory Reset
DC Power Socket (Backup Usage)	•

Performance

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

Standard Compliance

Ethernet Standards	802.3 10Base-T 802.3u 100Base-T 802.3ab 1000Base-T 802.3ae 10GBase-T 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
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Spanning Tree

STP	•
RSTP	•
MSTP	•

Link Aggregation

Max. Number of Group	8
Max. Number of Member in Each Group	8
Type	Static, LACP
Traffic Load Balancing	•

VLAN

Max. Number of VLAN	512
VLAN Type	802.1q Tag-based MAC-based Protocol-based Management VLAN Voice VLAN Surveillance VLAN
GVRP	•
QinQ (Basic)	•

Multicast

IGMP Snooping	v2, v3 (BISS)
IGMP Querier	•
MLD Snooping	v1, v2
Max. Number of Multicast Group	256
Group Throttling / Filtering	•
MVR (Multicast VLAN Registration)	•

ONVIF Surveillance

Discovery	•
Surveillance Topology	•
Real-Time Video Streaming	•
ONVIF Device Maintenance	Device Info, Network Settings, Time Settings, Reboot, Reset to Factory Default

Security

Authentication Server	RADIUS, TACACS+
802.1X/MAC Authentication	•
IP Source Guard	•
Traffic Control	DoS Defense, Storm Control
Dynamic ARP Inspection (DAI)	•
DHCP Snooping	•
IP Conflict Prevention	•
Loop Protection	•

QoS

Number of QoS Queues	8
Queue Scheduling	SPQ, WRR
CoS (Class of Service)	CoS, DSCP, CoS-DSCP, IP Precedence
Rate Limiting	•

Layer 3 Features

Static Route	•
VLAN Route	•
DHCP Server	•

Management

Local Service	HTTP/HTTPS/Telnet/SSH v2
Config Backup/Restore	•
Dual Image	•
2-Level Administration Privilege	•
Access Control	Access List
OpenVPN Client	•
sFlow	•
SNMP	v1, v2c, v3
RMON Group	1, 2, 3, 9
SNTP	•
LLDP	•
LLDP-MED	•
Mail Alert	Port Status / Speed System Restart IP Conflict Hardware Monitor Device Check ONVIF IP Cam Snapshot
Switch Management (Router-based)	•
VigorACS	•

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