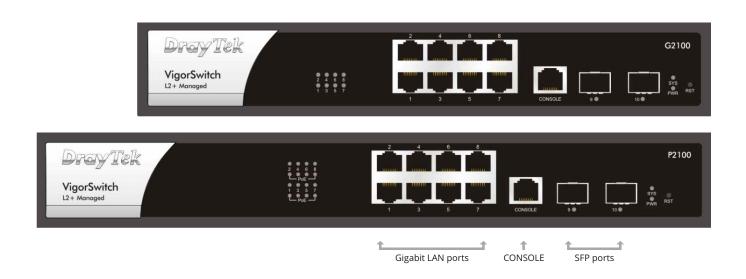
Dray Tek



DrayTek VigorSwitch G2100/P2100 is a compact Layer 2+ Managed Gigabit switch well-suited for smart home and branch/remote sites. It has 2x GbE SFP ports, 8x Gigabit Ethernet ports, and 1x console port. Featuring Layer 3 features, including DHCP Server and VLAN Routing. Furthermore with IP Conflict Detection & Prevention, ONVIF Surveillance, ping watchdog and a lot more, this is the balanced switch that brings advanced features into small environments.



Interface

LAN Port	8 x 10/100/1000Base-T Ethernet, RJ-45
	2 x 1000Mbps SFP slot
Console Port	1 x Gigabit Ethernet, RJ-45
Button	1 x Factory Reset

Capacity

· · · · · · · · · · · · · · · · · · ·	
Buffer Size	4.1 Mbit
Switching Capacity	20 Gbps
Forwarding Rate	14.88 Mpps (64 bytes)
MAC Address Table	8k
Jumbo Frame	Up to 9KB

PoE (P2100)

PoE Capable Ports	8
PoE Standards	PoE/PoE+ (802.3af/802.3at), Type mode A
PoE Power Budget	140 watts
Power Limit	•
Scheduled On/Off	•
Power Cycle on Port	Manual, Ping Watchdog

Networking Standards

IP Version Ethernet Standards

IPv4, IPv6
802.3af PoE/802.3at PoE+ (P2100)
802.3 10Base-T
802.3u 100Base-T
802.3ab 1000Base-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

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

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	•
IP Conflict Prevention	•
Loop Protection	•
Dynamic ARP Inspection	•
DHCP Snooping with Option 82	•

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	•

Link Aggregation

Max. Number of Group	4
Max. Number of Member in	8
Each Group	
Туре	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	• (Since firmware v2.6.8)

Management

Web Interface	HTTP, HTTPS
Command Line Interface	Telnet, SSH v2
OpenVPN Client	Certificate-based authentication
User Authentication	Local Database, RADIUS, TACACS+
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, Harware Monitor, Device
	Check, ONVIF Throughput Threshold
Syslog	•
2-Level Admin Privilege	•
Multiple Admin Accounts	•
Managed by VigorRouter SWM	•
Managed by VigorConnect	•
Managed by VigorACS 2	•
Config File Export/Import	•
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

