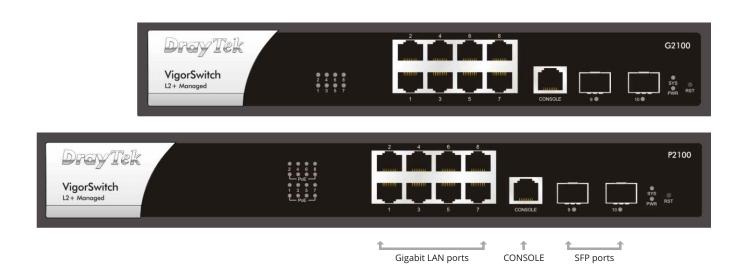
# **Dray** Tek



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

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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

