

# DrayTek

## VigorSwitch G2100/P2100

### 10-Port Layer 2+ Managed Switch



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.

**8 x GbE**

10/100/1000Mbps  
Ethernet, RJ-45

**2 x SFP**

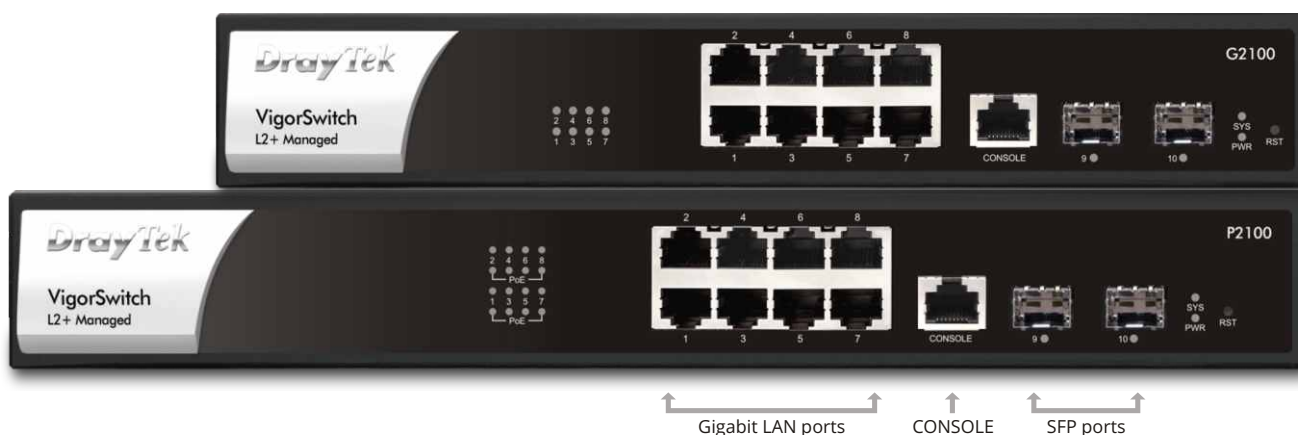
Gigabit SFP slot

**20 Gbps**

Switching Capacity

**4.1 Mbit**

Buffer Size



↑ Gigabit LAN ports    ↑ CONSOLE    ↑ SFP ports

#### Interface

LAN Port	8 x 10/100/1000Base-T Ethernet, RJ-45
	2 x 1000Mbps SFP slot
Console Port	1 x 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
L3 Routing Table	1.5k (prefix route, static route, and ACL shared)

## Networking Standards

IP Version	IPv4, IPv6
Ethernet Standards	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	512
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	•

## 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

## 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 Each Group	8
Type	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, Hardware 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