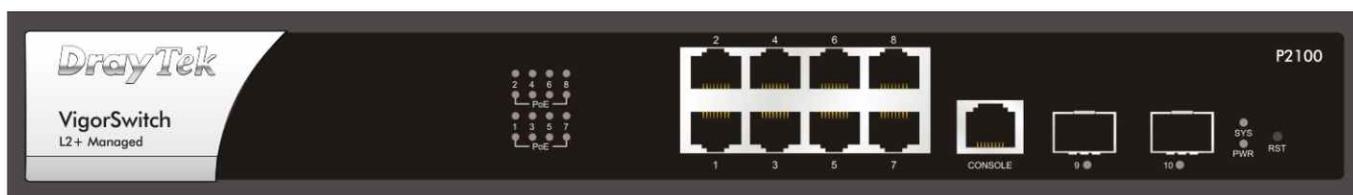
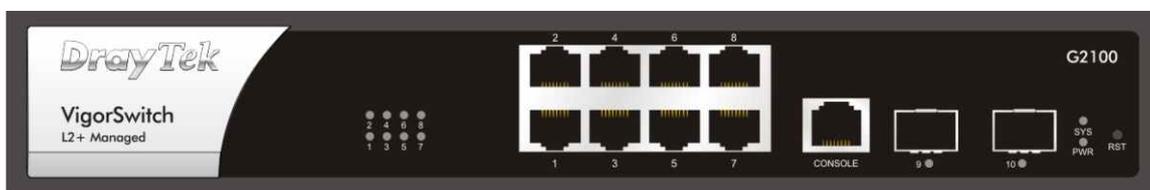


## VigorSwitch G2100/P2100

### L2+ Managed Gigabit 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.



← Gigabit LAN ports      ↑ CONSOLE      ← SFP ports →

#### Interface

|              |  |
|--------------|--|
| LAN Port     | 8 x 10/100/1000Base-T Ethernet, RJ-45<br>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         | IPv4, IPv6   |
| Ethernet Standards | 802.3af PoE/802.3at PoE+ (P2100)<br>802.3 10Base-T<br>802.3u 100Base-T<br>802.3ab 1000Base-T<br>802.3x Flow Control<br>802.3 Auto-Negotiation<br>802.1q Tag-based VLAN<br>802.1p Class of Service<br>802.1d STP<br>802.1w RSTP<br>802.1s MSTP<br>802.3ad LACP<br>802.1ad QinQ<br>802.1x Port Access Control<br>802.1AB LLDP<br>802.3az EEE |

## VLAN

|                    |   |
|--------------------|---|
| Max.Number of VLAN | 256   |
| VLAN Type          | 802.1q Tag-based<br>MAC-based<br>Protocol-Based<br>Management VLAN<br>Voice VLAN<br>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 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  |