

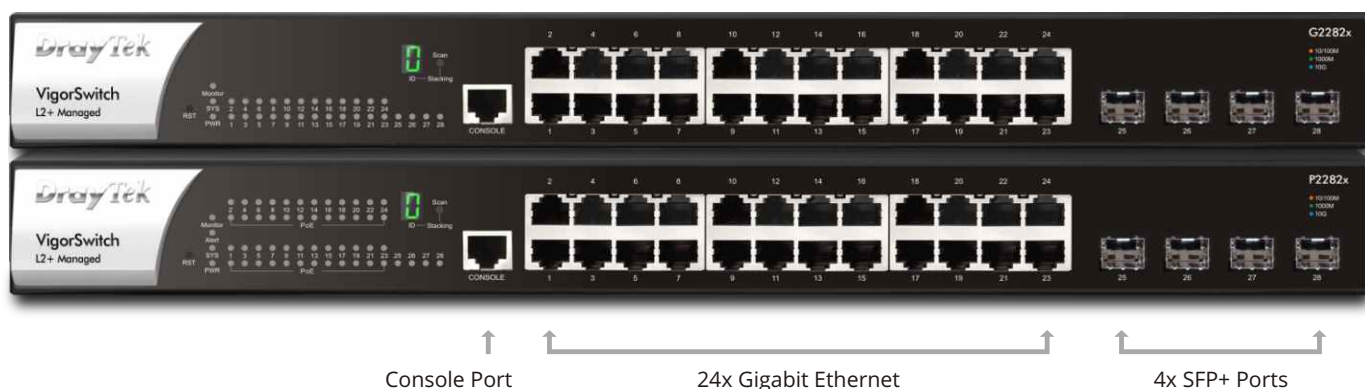
DrayTek

VigorSwitch G2282x/P2282x

L2+ Managed 10G Switch



DrayTek VigorSwitch 2282x series is a Layer 2+ Managed 10 Gbps switch. It has 24x Gigabit Ethernet LAN ports and 4x SFP+ 10Gbps Fiber links for uplink/downlink. Besides the fixed AC power input, VigorSwitch 2282x series also provides DC power input as other power source, which helps to ensure uninterrupted operation. Supporting advanced Layer 3 features, including DHCP Server and VLAN Routing.



Interface

LAN Port	24x 10/100/1000Mbps Ethernet, RJ-45 4x 1000Mbps/10Gbps SFP+ slot
Console Port	1x RJ-45
Button	1x Factory Reset

PoE (P2282x)

PoE Capable Ports	24x PoE/PoE+ (802.3af/at), up to 30W per port, Type mode A
PoE Power Budget	400 watts
Scheduled On/Off	•

Performance

Buffer Size	12 Mbit
Switching Capacity	128 Gbps
Forwarding Rate	95.2 Mpps (64 bytes)
MAC Address Table	16k
Jumbo Frame	Up to 12 KB
L3 Routing Table	•

Layer 3 Features

Static Route	•
VLAN Route	•
DHCP Server	•

Standard Compliance

Ethernet Standards	802.3af PoE/802.3at PoE+ (P2282x) 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	•

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)	•

ONVIF Surveillance

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

QoS

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

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)	•

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	•

Link Aggregation

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

AAA

Authentication Server	RADIUS, TACACS+
Port Authorization	•
Management Account	•
RADIUS Attribute Assignment	User Privilege, VLAN
Accounting	•
Multiple 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
VigorRouter Management (SWM)	•
VigorConnect Management	V2.9.1 (Since f/w)
VigorACS Management	V2.9.1 (Since f/w)

Physical

Backup Power Input	DC +12V @ 3A (G2282x) DC +12V @ 5A & DC +54V @ 7.4A (P2282x)
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