



IP Version

- IPv4
- IPv6

Standard Compliance

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-T
- IEEE 802.3ab 1000Base-T
- IEEE 802.3x Flow Control Capability
- ANSI/IEEE 802.3 Auto-negotiation
- IEEE 802.1p Class of Service
- IEEE 802.1d Spanning Tree
- IEEE 802.1w Rapid Spanning Tree
- IEEE 802.3ad Port Trunk with LACP
- IEEE 802.1ab Link Layer Discovery Protocol (LLDP)
- IEEE 802.1x Port Based Network Access Control
- IEEE 802.1az Energy Efficient Ethernet

QoS

- Support 8 Hardware Queues
- Rate Limit
 - Port-based (Ingress/Egress)
- Queue Setting
 - WRR
 - Strict Priority
- Class of Service
 - 802.1p CoS
 - DSCP
 - CoS-DSCP
 - IP Precedence

Security

- Support Port Isolation (Protected Port)
- Storm control
 - Broadcast
 - Unknown Multicast
 - Unknown Unicast
- DoS Attack Prevention
- IP Source Guard
- Support Loop detect & Protected

Multicast

- Up to 256 Multicast Groups
- IGMP Snooping v2/v3 (BISS)
 - IGMP Querier
 - Immediate Leave
- MLD Snooping v1/v2

Link Aggregation

- Supports 8 Link Aggregation Groups with Static & LACP types
- Up to 8 Ports for Each Group
- Support Traffic Load Balancing

PoE (P1282)

- PoE Mode:
Switch allocates sufficient power the PoE PD asked for, and dynamically distribute power to all devices.
- Status:
Status includes class and consumed power by Pds.
- Schedule

Diagnostics

- CPU/RAM/Port Utilization
- Event Log
- Port Mirroring
- Ping
- Port-based Cable Test

Management

- Multiple User Account
 - Two-level Security (Admin/User)
- TR-069
- HTTP(s) Web User Interface
- HTTP(s)/TFTP Upgrade/Backup of
 - Firmware
 - Configuration
- Simple Network Time Protocol
- Link Layer Discovery Protocol
- Simple Network Management Protocol v1/v2c
 - MIB-II System & Interface Groups
 - Support Generic Traps
- Command Line Interface (CLI) via Telnet/SSH
- Access Manager
 - HTTP
 - HTTPs
 - Telnets
 - SSHs
- DrayTek Switch Management

VLAN

- Support STP
 - STP & RSTP
- Support IEEE802.1Q VLAN
 - Tag-base/Port-based VLAN
- MAC-based VLAN (Dynamic)
- Management VLAN
- Mirror
- Support EEE (Energy Efficient Ethernet)
- Support Voice VLAN (OUI Mode)
- Support Surveillance VLAN (OUI Mode)

Hardware Interface

- G1282: 24 x 10/100/1000Mbps Giga Ethernet, RJ-45
- P1282: 24 x 10/100/1000Mbps Giga Ethernet with PoE+ PSE, RJ-45 (Each port can support both IEEE 802.3af / 802.3at mode)
- 4 x GbE Combo Ports, RJ45 + SFP
- 1 x Factory Reset Button

Environmental / Physical

- Power
 - Voltage: 100 ~ 240VAC
 - PoE Power Budget: 400 Watt (P1282)
- Temperature
 - Operating: 0 ~ 50°C
 - Storage: -20 ~ 70°C
- Humidity
 - Operating: 10 to 90% RH (Non-condensing)
 - Storage: 5 to 90% RH (Non-condensing)