

## VigorSwitch Q2300x

### L2+管理型24埠2.5G網路交換器

#### General

- 16Mbit Packet Buffer
- Support Jumbo Frame 12KB
- Switching capacity 240Gbps
- Up to 32K MAC Address Table
  - Dynamic Address
  - Static Address
- Support 31 Mac Address per Interfaces
  - 30 ports + Management

#### Standard Compliance

- IEEE 802.3 10Base-T
- IEEE 802.3u 100Base-T
- IEEE 802.3ab 1000Base-T
- IEEE 802.3bz 2.5GBase-T
- IEEE802.3ae 10GBase-X
- IEEE 802.3x Flow Control Capability
- IEEE 802.3 Auto-negotiation
- IEEE 802.3ad Port trunk with LACP
- IEEE 802.3az Energy Efficient Ethernet
- IEEE 802.1p/q Class of Service
- IEEE 802.1d Spanning Tree
- IEEE 802.1w Rapid Spanning Tree
- IEEE 802.1s Multiple Spanning Tree
- IEEE 802.1x Port Based Network Access Control
- IEEE 802.1ab Link Layer Discovery Protocol
- IEEE 802.1ad QinQ
- IEEE 802.3af/at/bt (PQ2300xb)

#### IP Version

- IPv4 / IPv6

#### VLAN

- IEEE802.1Q Tag-base/Port-based VLAN
- QinQ (Basic)
- General VLAN Registration Protocol
- Supports Following Types of VLANs
  - Voice VLAN (OUI Mode)
  - Surveillance VLAN (OUI Mode)
  - Protocol/MAC-based/Management VLAN
  - Port Isolation

#### Network Function

- DHCP Server
  - Expand to 30 Entries
  - Supports 8 Subnet
  - Up to 1021 pool of each Subnet
  - Relay
  - Snooping
  - IP Source Guard
  - Option 82,66,67
- Route
  - Static
  - VLAN Route
- Virtual Router Redundancy Protocol (VRRP) \*

#### Security

- DoS Defend
- Access Control List
  - MAC/IPv4/IPv6
- Port Security
- IP Source Guard and ARP Inspection
- DHCP Snooping with Option 82
- Loop Protection

#### Link Aggregation

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

#### Multicast

- Up to 256 Multicast Groups
- IGMP Snooping v2/v3 (BISS)
- MLD Snooping v1/v2 (Basic)
- Multicast VLAN Registration
- 4K Forwarding Table

#### Diagnostics

- CPU/RAM/Port Utilization
- Port-based Cable Test
- Syslog
  - Volatile/Non-Volatile Memory
  - External Server
  - Mail
- Port Mirroring
- Ping
- DHCP Table
- Route Table

#### QoS

- Support 8 Queues
- Support 12 Egress Queues for Stacking Port
- Class of Service
  - 802.1p CoS
  - DSCP
  - CoS-DSCP
  - IP Precedence
- Priority Queue Schedule
  - Weighted Round-Robin (WRR)
  - Strict Priority
- Rate Limit
  - Port-based (Ingress/Egress)
- Storm Control
  - Broadcast
  - Unknown Multicast
  - Unknown Unicast

#### Management

- Multiple User Account
  - Two-Level Security (Admin/User)
- Secure Authenticator
  - Boot/FW Upgrade
- Dual Image
- Access Manager
  - HTTP/HTTPs
  - Telnet
  - SSH
- HTTP(s) Web User Interface
- HTTP(s)/TFTP Upgrade/Backup of
  - Firmware
  - Configuration
- Running/Startup/Backup Configuration
- Simple Network Time Protocol
- Link Layer Discovery Protocol
  - LLDP-MED, Media Endpoint Discovery Extension
- Command Line Interface (CLI) via Telnet/SSH
  - Telnet Timeout
- Simple Network Management Protocol v1/v2c/v3
- DrayTek Switch Management
  - VigorConnect/ACS/SWM
- OpenVPN
- ONVIF
- TR069
- sFlow

#### Hardware Interface

- 24 x 10/100/1000/2500Mbps ports, RJ-45 (Port1~24)
- 6 x 1000Mbps/10Gbps Fiber ports, SFP+ (Port25~30)
- 1 x Factory Reset Button
- 1 x Console Port, RJ45
- 1 x Stacking Button
- 1 x Stack ID 7 Segment LED

#### Environmental / Physical

- Temperature
  - Operating: 0 ~ 50°C
  - Storage: -20 ~ 70°C
- Humidity
  - Operating: 10 to 90% RH (Non-condensing)
  - Storage: 5 to 90% RH (Non-condensing)
- 尺寸: 440(W) x 280(D) x 44(H)mm

