

## VigorSwitch P1092

### PoE Smart Lite Gigabit Switch

- Simple and Easy to use network switch
- 8 x 10/100/1000 Base-T and 2 x SFP Port
- Port 1-8 support 802.3at PoE+, the maximum power budget: 110Watt (Up to 30Watt per port)
- Support HTTP Web Management
- QoS for application traffic prioritization
- Support upto 8 VLANs simultaneously
- Power saving by 802.3az Energy Efficient Ethernet

The VigorSwitch P1092 is ideal for SOHO and small business with the Gigabit capability and Web management. To cater for high bandwidth traffic, it is equipped with 8 Gigabit Ethernet ports for the LAN side, and 2 SFP ports for the backbone side. VigorSwitch P1092 is equipped with facilities for maximizing your LAN performance, VLAN capability to allow flexible network design, and QoS capability for flexible bandwidth control. Furthermore, the power saving by IEEE802.3az EEE can offer you a green Ethernet networking environment.

The VigorSwitch P1092 also offers power to all these ports with Power of Ethernet (PoE) capability. All PoE-enabled devices for the business usages, such as IP phones, wireless AP or IP Cameras can all rely on VigorSwitch P1092 switch for the power supply, you are free to position equipment wherever they should be, not being limited by the power outlet.

#### Virtual LAN

VLAN provides a way for businesses to assign network functions to different workgroups, branches, sections, employees or visitors, according to their operational requirements. VigorSwitch P1092 offers the Layer 2 Isolation feature (tag-based) VLAN for the groups.

You can set rate limits for both ingress and egress traffic based on per port or per group.

#### QoS (Quality of Service)

With DrayTek VigorSwitch P1092, the QoS feature provides four internal queues to support eight different classifications of traffic by 802.1p priority tag. High priority packet streams experience less delay inside the switch. The switch classifies the packet as one of the four internal queues, according to 802.1p priority tag.

#### Energy efficiency

The VigorSwitch P1092 is fully compliant with IEEE802.3az which is an energy efficient Ethernet protocol.

The Power saving using Power Management techniques to detect the client idle and cable length automatically and provides the different power. The latest application-specific integrated circuits (ASICs), using lower-power technology, allow for lower power consumption and thinner, more efficient designs.

#### PoE for efficient installation

8-PoE ports allow power to be supplied to end devices, such as Wireless AP, IP Phones and IP cams, directly through the existing LAN cables, eliminating costs for additional AC wiring and reducing Installation Cost. It frees your wireless AP deployment from restriction due to power outlet location. By supplying the power end-span, you can centralize power distribution and backup without the need to increase infrastructure.

#### Bandwidth Aggregation

VigorSwitch can combine two ports into one LACP aggregated link to uplink switch. Aggregating is flexible to use either two Ethernet or two SFP ports, provides doubled speed originally provided.



### IP Version

- IPv4

### 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 802.1Q VLAN
- IEEE 802.1p Class of Service
- IEEE 802.3ad Port Trunk with LACP
- IEEE 802.1az Energy Efficient Ethernet

### QoS

- Support 4 Queues
- Rate Limit
  - Port-based (Ingress/Egress)
- Priority Queue Schedule
  - WFQ
  - Strict Priority
- Class of Service
  - 802.1p CoS

### Security

- Supports Storm Control
  - Broadcast
  - Multicast
  - Unicast

### Link Aggregation

- Support Link Aggregation Group with Following Pairs
  - GE7 and GE8
  - SFP1 and SFP2
- Link Aggregation Control Protocol Only

### Network

- Up to 4K MAC Address Table
- Support Jumbo Frame 9KBytes

### PoE

- Dynamic Power Budget Distribution
- Enable/Disable per Port on Management UI

### IGMP Snooping

- Up to 128 Multicast Groups
- IGMP Snooping v2

### VLAN

- IEEE802.1Q Port-based/Tag-based VLAN
  - 8 VLANs Simultaneously

### Management

- Firmware Upgrade
- Support HTTP Web User Interface (Access by Password)
- Configuration Upgrade/Backup
- Discovery by Draytek Vigor Series Router

### Hardware Interface

- 8 x 10/100/1000Mbps Giga Ethernet with PoE+ PSE, RJ-45 (Each Port can Support Both IEEE 802.3af / 802.3at Mode)
- 2 x 1000Mbps Fiber, SFP Slot
- 1 x Factory Reset Button

### Environmental / Physical

- Power
  - Voltage: 100 ~ 240VAC
  - PoE Power Budget: 110 Watt (up to 30Watt per port)
- Temperature
  - Operating: 0 ~ 40°C
  - Storage: -20 ~ 70°C
- Humidity: 5 to 90% RH (Non-condensing)
- Dimension: 44(H) x 265(W) x 184(D) mm

### Easy deployment for SOHO and small Business

