

# GPS8180

## ***Eight Port PoE G.bit Switch***

- ◆ **Management Gigabit Switch**
- ◆ **IEEE 802.3af Compatible**
- ◆ **Support 8 G.bit POE and 1 SFP port**



- ★ **Support 8 PoE 10/100/1000Mbps RJ45 and 1 SFP port.**
- ★ **Support IEEE802.3af and Cisco legacy PD.**
- ★ **Support Dynamic Power Management function.**
- ★ **Support Hi-Power output function.**
- ★ **Support Console and WEN management.**

## GPS8180 Specification :

### ◆ Physical Ports :

7 RJ45 10/100/1000Base-T ports plus 1 Combo G (RJ-45/SFP) ports.

### ◆ Performance:

- \*Switching Capability: 18 Gbps.
- \*Forwarding Rate: 13.3Mpps.
- \*MAC Address Table Size: 8K.
- \*Packet Buffer Size: 144KB.

### ◆ L2 Features:

- \*Auto-negotiation for port speed and duplex mode Flow Control:
  - IEEE 802.3x for full duplex mode.
  - Back-Pressure for half duplex mode.
- \*Spanning Tree Protocol:
  - IEEE 802.1D Spanning Tree Protocol(STP).
  - IEEE 802.1w Rapid Spanning Tree Protocol(RSTP).
- \*VLANs:
  - Supports 255 IEEE 802.1Q VLANs.
  - Port-based VLANs.
- \*Link Aggregation:
  - Static Trunk.
  - IEEE 802.3ad Link Aggregation Control Protocol.
  - Trunk groups: 4 Groups, Trunk links: 2 ~ 8.
- \*Supports jumbo frames up to 9.6KB.

### ◆ OoS Features

- \*Priority Queues: 4 hardware queues per port
- \*Traffic classification:
  - Based on IEEE 802.1p(8 classes).
  - DSCP.
- \*Supports WRR and Strict priority.
- \*Storm Control: Unknown / Multicast / Unicast.
- \*Bandwidth Control: Ingress Port Mirroring.

### ◆ Security:

- \*Supports IEEE 802.1x port-based access control.
- \*Management access filter configuration.
- \*Password-protection on web interface.

### ◆ PoE Function:

- \*Support IEEE802.3af and Cisco Legacy PD Units.
- \*Hi-Power Function Support:
  - Port1 and Port2 : 25W Maximum Output Power.
  - Port3 ~ Port8 : 20W Maximum Output Power.
- \*Dynamic Power Management Function:
  - 180W power budget for PoE.

### ◆ Management:

- \*Switch Management:
  - Web management.
  - RS232 console.
- \*Firmware & Configuration:
  - Web based software upgrade.
  - Web based configuration file up/download.
  - Restore to Factory default.

### ◆ Dimension:

33.5 \* 20.3 \* 4.4 cm.

### ◆ Power input:

85--265 VAC @ 47--63Hz.

### ◆ Environment:

- \*Operating Temperature: -15°C --50°C.
- \*Operating Humidity: 10%--90%RH.
- \*Storage Temperature: -40°C --70°C.
- \*Storage Humidity: 5%--95%RH.



## RAYON TECHNOLOGY CO., LTD.

2F, No. 177, Chung-Shan 2 Rd., Lu-Chou city, Taipei Hsien, Taiwan.

TEL: 886-2-82858362 FAX: 886-2-82857065

E-Mail: [rayon@ms1.hinet.net](mailto:rayon@ms1.hinet.net)

WEB: <http://www.computex.com.tw/rayon>

WEB: <http://www.rayontech.com>