

## GSD-800S

# 8 Gigabit-ports Ethernet Smart Switch

The GSD-800S is an eight-port 10/100/1000Mbps Ethernet Smart Switch in compact size design which can be mounted on 10-inch rack or placed on desktop.

With the 16G non-blocking, 8k MAC Address table, 802.3x, full-duplex flow control, the GSD-800S offer the wire-speed packet transfer performance without fear of loss packets.

All eight RJ-45 copper interfaces support 10/100/1000Mbps auto-negotiation for optimal speed's detection, through RJ-45, Category 5 or 5e cables. MDI/MDI-X auto detection for direct wire connection to any Ethernet devices, no matter it is a workstation, hub or switch.

The console interface helps to have the basic management of the switch like per port speed, duplex and flow-control setting, VLAN, port mirroring, port trunking and port priority.

### ▶▶ KEY FEATURE

- ❑ 10/100/1000Mbps 8-port Ethernet Smart Switch (RJ-45)
- ❑ Complies with IEEE 802.3, 10Base-T, IEEE 802.3u, 100Base-TX and IEEE 802.3ab, 1000Base-T
- ❑ IEEE 802.3x, full-duplex flow control compliant; back-pressure, half-duplex flow control
- ❑ 8K MAC address table auto-ageing, 256K bytes packet buffer
- ❑ Per port Auto-MDI, MDI-X detection
- ❑ Non-blocking, Store and Forward switching architecture
- ❑ Automatic source address learning and aging
- ❑ RS-232 console interface for console program smart managements
- ❑ Port trunking support increase the bandwidth between switches
- ❑ VLAN support with up to 7 VLAN groups
- ❑ 4 Class of Service selectable per port basis and / or checked by IP ToS header
- ❑ Port mirroring for port traffic diagnose with sniffer programs
- ❑ 10", 1U height rack mounting size
- ❑ 100~240VAC, 50~60Hz universal power input

## ▶▶ SPECIFICATION

<b>Product</b>	<b>8 Gigabit-ports Ethernet Smart Switch</b>
<b>Model</b>	<b>GSD-800S</b>
<b>Hardware Specification</b>	
<b>Ports</b>	8 10/100/1000Base-T RJ-45 MDI/MDI-X ports 1 RS-232 DB-9 male
<b>Dimensions</b>	430 x 230 x 44 mm (1U height)
<b>Weight</b>	1.1 kg
<b>Power Requirement</b>	100~240 (±10%) VAC, 50-60 (±3) Hz
<b>Power Consumption /Dissipation</b>	27 Watts maximum / 92 BTU/hr maximum
<b>Switch Specification</b>	
<b>Switch Processing Scheme</b>	Store-and-forward
<b>Address Table</b>	8K entries, auto learning/ageing
<b>Shared data Buffer</b>	256K byte packet memory
<b>Flow Control</b>	Back pressure for half duplex, IEEE 802.3x for full duplex
<b>Packet Control</b>	Runt & CRC filtering, Broadcast storm control
<b>Switching Fabric</b>	16Gbps
<b>Switch Management</b>	
<b>System management</b>	Console port
<b>Port Config</b>	Configure each port's speed, duplex mode, flow control and priority
<b>Port Status</b>	Show each port's link status and speed, duplex mode
<b>VLAN</b>	Up to 7 groups VLAN
<b>Port Trunking</b>	2-port trunk support
<b>Port Mirroring</b>	Mirroring port's in/out traffic
<b>Traffic Prioritization</b>	4 Class of Service selectable per port basis and / or checked by IP ToS header
<b>Standards Conformance</b>	
<b>Regulation Compliance</b>	FCC, CE
<b>Temperature</b>	Standard Operating: 0~50°C (32~122°F), Storage -20~70°C (-40~158°F)
<b>Humidity</b>	10% to 90% (Non-condensing)
<b>Network Standards</b>	IEEE 802.3 (Ethernet), IEEE 802.3u (Fast Ethernet), IEEE 802.3ab, IEEE8023x (flow control)
<b>Cable System</b>	RJ-45: Category 5/5e UTP cable, 8-wire; 100 meters maximum

## ▶▶ PRODUCT POSITIONING

### □ **Backbone Switch**

With the non-blocking design and compact size, to build a Gigabit high-bandwidth switched network is as easy as install a Fast Ethernet network. With support for VLAN, port trunking, the GSD-800S can direct connect to the department switches and /or the backbone servers.

## ▶▶ ORDERING INFORMATION

- ▶ **GSD-800S** 8 Gigabit-ports Ethernet Smart Switch (8 RJ-45)
- ▶ **RKE-10A** Rack Mount Kits for 10" cabinet
- ▶ **RKE-10B** Rack Mount Kits for 19" cabinet



### **PLANET Technology Corp.**

11F, No. 96, Min Chuan Road, Hsin Tien, Taipei, Taiwan, R.O.C.  
 TEL:886-2-2219-9518 FAX:886-2-2219-9528  
 E-mail: sales@planet.com.tw http://www.planet.com.tw  
 VoIP Gateway : vip.planet.com.tw

Planet reserves the right to change specification without prior notice  
 All brand names and trademarks are property of their respective owners  
 Copyright 2003 © PLANET Technology Corp. All right reserved

