

8-Port 10/100/1000Mbps Gigabit Ethernet Switch



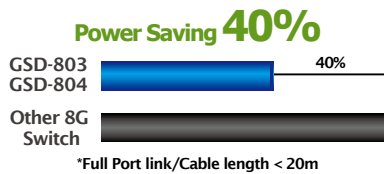
Optimal Solution for Energy-Saving and Gigabit High Performance

In line with the energy-saving trend worldwide, PLANET delivers the new generation green Switch- GSD Series Gigabit Ethernet Switch. The latest member is GSD-803 ,the 8-Port Gigabit Ethernet Switch upgraded from earlier version and brings both benefits of energy saving and gigabit performance. It is specially designed for home networking, SOHO and enterprises. The GSD-803 uses new engine that provides power saving up to 40% less energy but not reduce the performance.

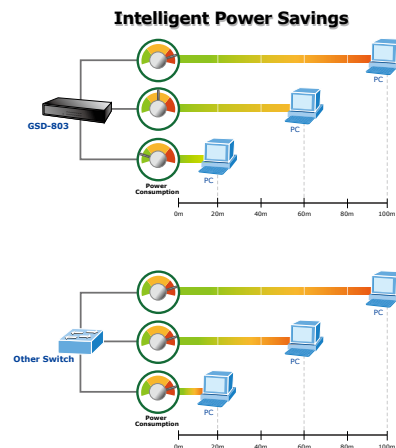
The GSD-803 incorporates two advanced Green Networking technologies:

- Hibernation Link Down power saving
- Intelligent scales power based on cable length

The Hibernation Link Down power savings goes beyond IEEE specifications to automatically lower power for a given port when it is not linked. With the Hibernation Link Down power savings technology, the GSD-803 will automatically adjust power usage of the ports that are shutdown or not connected to network device. The other technology adopted, intelligent scales power, is an intelligent algorithm that actively determines the appropriate power level based on cable length. When connecting to GSD-803 with Ethernet cable shorter than 20m, a device can obtain maximum power saving because GSD-803 would automatically detect the Ethernet cable length and reduce power usage. The connected device can substantially reduce overall power consumption, which makes a significant contribution to energy saving.



Save 26,280 Watts yearly



Lead Home, SOHO and Workgroup users into High-Speed Networking Generation

As the increasing popularity of Desktop and Laptop with built-in Gigabit Network Interface, and widely application of Share Database Device and Multi-Media Center day by day, super high speed Ethernet Switch is expected to become the main stream in the market. PLANET GSD-803 8-Port 10/100/1000Mbps Gigabit Ethernet Switch is especially designed with metal compact housing to bring an easy deployment of Gigabit networking for home, SOHO or enterprises.

High-Performance

Providing 16Gbps internal switching fabric, the GSD-803 can handle extremely large amounts of data in a secure topology linking to a backbone or high capacity servers. The GSD-803 provides 4K MAC address table and provides 1Mbits buffer memory. It offers wire-speed packet transfer performance without risk of packet loss. The high data throughput of the device makes it ideal for most Gigabit environments, especially for the network upgrading to a Gigabit environment.

Plug & Play

All RJ-45 copper interfaces in the GSD-803 support 10/100/1000Mbps Auto-Negotiation for optimal speed detection through RJ-45 Category 6, 5 or 5e cables. It supports standard Auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables.

KEY FEATURES

PHYSICAL PORT

- Dual Energy-Saving technology
 - Link down power saving
 - Intelligent scales power based on cable length
- 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
- 8-Port 10/100/1000Mbps Gigabit Ethernet ports
- Per port Auto-MDI, MDI-X detection
- 4K MAC address table auto-ageing
- 9K Jumbo packet size support
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Non-blocking, Store and Forward switching architecture
- Automatic source address learning and aging
- Power Saving ability for Green networking
- Compact size, wall-mountable design
- Metal case, good for heat sinking
- Easy installation, ideal solution for fit in space-limited locations

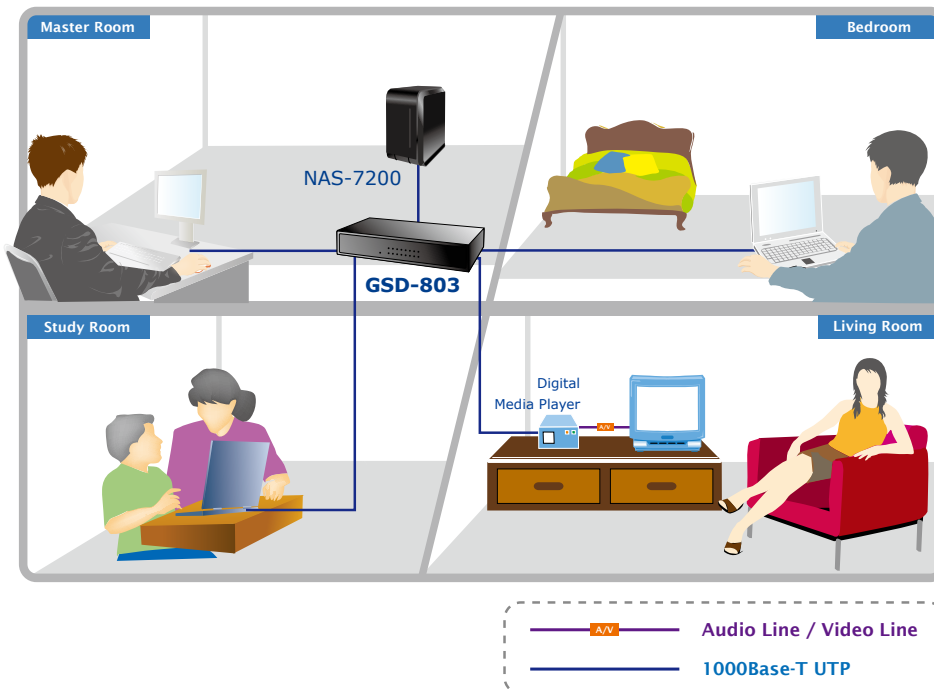
APPLICATIONS

Backbone Switch

The GSD-803 can directly connect to department Switches or backbone servers. With a non-blocking design, compact size and up to 16 Gigabit per second of non-blocking switch fabric, the GSD-803 can be used to build a Gigabit high-bandwidth switched network quickly and easily.

Home/SOHO High Speed Network Center

PLANET GSD-803 Gigabit Switch provides the best solutions to high-speed Internet environment demanded by SOHO/Home and Power users. This Switch fastens the speed of data transmission between devices without worrying about the delay of playing high quality multimedia. In the aspect of home-using, the GSD-803 integrates the speeds of 10, 100 and 1000Mbps which can fulfill your demands of transmitting high quality multimedia, games and other high speed applications of Internet.



SPECIFICATION

Product	8-Port 10/100/1000Mbps Gigabit Ethernet Switch
Model	GSD-803
Hardware Specification	
Ports	8 10/100/1000Base-T RJ-45 Auto-MDI/MDI-X ports
Dimension (W x D x H)	155 x 86 x 26 mm (Metal case)
Weight	0.39kg
Power Requirement	External power adapter 12V, 1000mA
Power Consumption / Dissipation	8.1 watts / 27 BTU
Switch Specification	
Switch Processing Scheme	Store-and-Forward
Address Table	4K entries
Share data Buffer	1Mbits
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Switch Fabric	16Gbps
Throughput (packet per second)	11.9Mpps
Jumbo packet size	9K
Standards Conformance	
Standards Compliance	IEEE 802.3 (Ethernet)
	IEEE 802.3u (Fast Ethernet)
	IEEE 802.3ab(Gigabit Ethernet)
	IEEE 802.3x (Full-duplex flow control)
Temperature	Operating: 0~50 Degree C
	Storage: -40~70 Degree C
Humidity	Operating: 5~90%, Storage: 5~90% (Non-condensing)
Regulation Compliance	FCC Part 15 Class A, CE

ORDERING INFORMATION

GSD-803	8-Port 10/100/1000Mbps Gigabit Ethernet Switch (Metal case)
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