

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

Optimal Solution for Energy-Saving and Gigabit High Performance

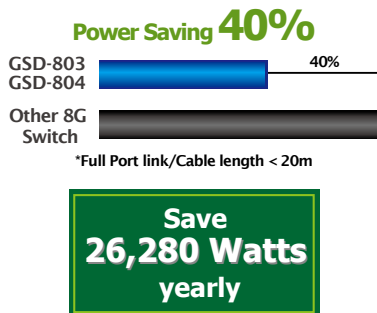
In line with the energy-saving trend worldwide, PLANET delivers the new generation **Green Networking Switch - GSD Series** Gigabit Ethernet Switch with concepts of "Easy installation and use", "Compact-size design" and "Simple troubleshooting". The PLANET GSD-803, the 8-Port Gigabit Ethernet Switch upgraded from earlier version brings both benefits of energy saving and Gigabit performance. It is specially designed for home networking, SOHO and SMB. The GSD-803 uses new engine that provides energy saving up to 40% less energy but not reduce the performance.

The GSD-803 incorporates two advanced Green Networking technologies:

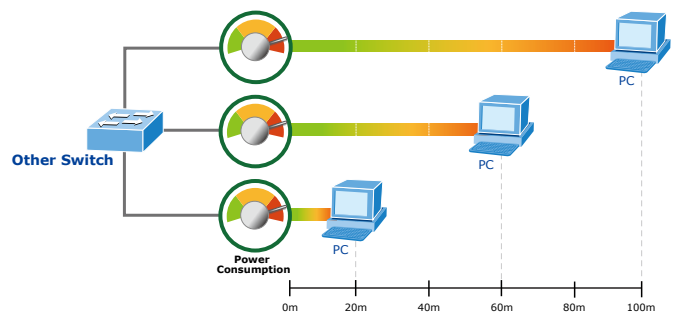
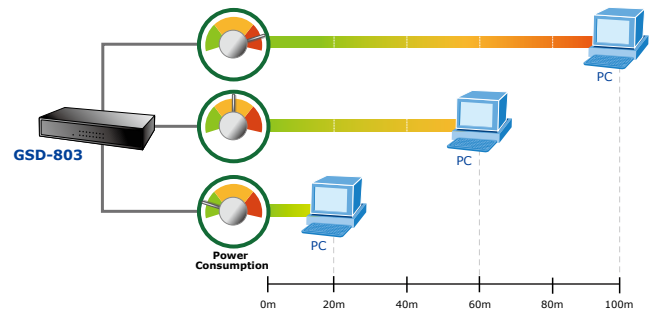
- Idle Mode Link Down power saving
- Intelligent Scales Power based on cable length



The Idle mode Link Down power saving of GSD-803 complies with IEEE 802.3az Energy Efficient Ethernet (EEE) standard to automatically lower power for a given port when it is not linked. With the Idle mode 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 the GSD-803 with Ethernet cable shorter than 20m, a device can obtain maximum power saving because the 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.



Intelligent Power Savings



EuP Complies Power Control

To comply with European Union's Energy-using Products (EuP) Directive for further reduce the energy consumptions, the GSD-803 is built with a power switch with off mode and standby mode selection at its rear panel. PLANET Green Networking Switch greatly helps to eliminate the power consumption at home, lower the business operation cost and fulfill the responsibility of a corporate citizen.



EuP Power Switch Button at rear side

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 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 8K MAC address table and 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.

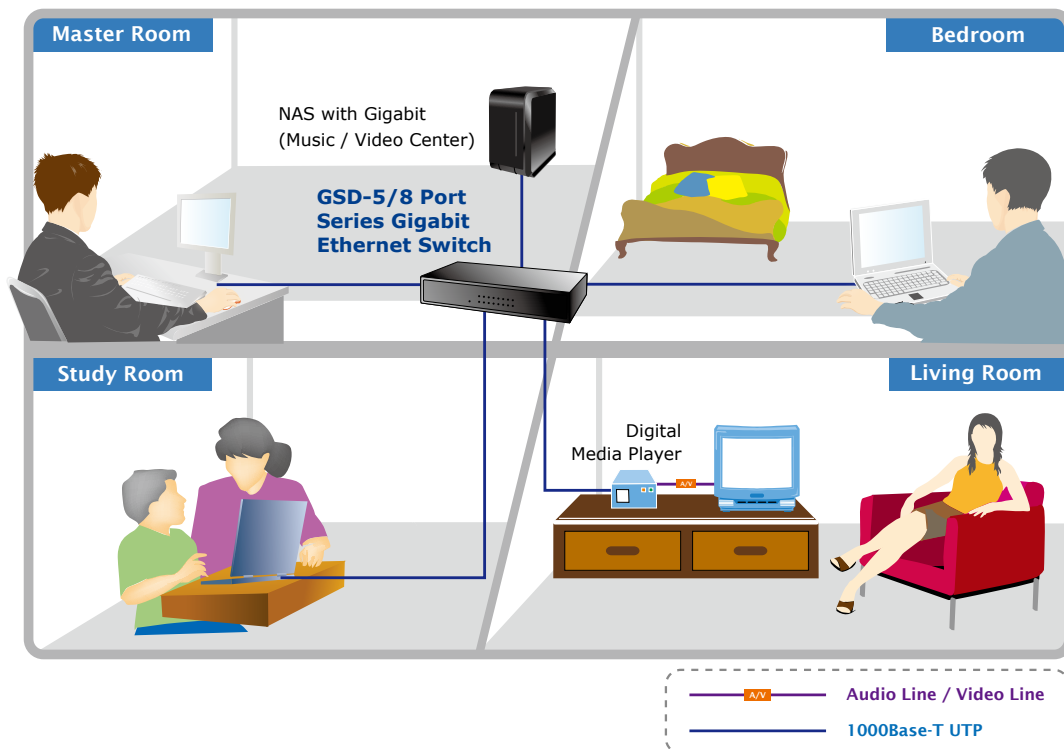
Plug & Play

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.

APPLICATIONS

Home / SOHO High Speed Network Center

PLANET GSD-803 Gigabit Switch provides the best solution 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 lag when 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.



KEY FEATURES

- 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
- 8K 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
- One power on/off button for energy saving
- Compact size, wall-mountable design
- Metal case, good for heat sinking
- Easy installation, ideal solution for fit in space-limited locations

SPECIFICATION

Product	8-Port 10/100/1000Mbps Gigabit Ethernet Switch (Metal)
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
Weight	370g
Power Requirement	External power adapter 12V, 1000mA
Power Consumption / Dissipation	Idle Mode: Full Load: 5.4 Watts / 16.74 BTU
Enclosure	Metal
Power ON / OFF Button	EuP power switch
Switch Specification	
Switch Processing Scheme	Store-and-Forward
Address Table	8K 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 IEEE 802.3az Energy Efficient Ethernet (EEE)
Regulation Compliance	FCC Part 15 Class A, CE
Environment	
Temperature	Operating: 0~50 Degree C Storage: -40~70 Degree C
Humidity	Operating: 5~90%, Storage: 5~90% (Non-condensing)

ORDERING INFORMATION

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