5-Port 10/100/1000Mbps Gigabit Ethernet Desktop Switch (Metal)

With concepts of "Easy to Install and use", "**Compact-sized design**", and "**Simple troubleshooting**", PLANET GSD-503 provides cost-conscious business and home users an integrated system of small-office / home-office networking. The GSD-503 is the fancy-shape standard metal model and just right for your network in compact housing and deployment.

The GSD-503 has 8K MAC Address table and 10Gbps non-blocking switch fabric. It offers wire-speed packets transfer performance without risk of packet loss. All RJ-45 copper interfaces in the GSD-503 support 10/100/1000Mbps Auto-Negotiation for optimal speed detection through RJ-45 Category 5, 5e or 6 cables. It also supports standard for Auto-MDI/MDI-X that can detect the type of connection to any Ethernet device without requiring special straight or crossover cables.

The Flow Control function in the GSD-503 allows routers and servers to directly connect to it for fast and reliable data transfer. The Gigabit ports with 9K jumbo frame feature can handle extremely large amounts of data transmission in a secure topology linking to a backbone or high-power servers.

The GSD-503 Gigabit Ethernet Switch is a simple, cost-effective, and highly reliable network Switch and is the ideal device for bridging Ethernet to Gigabit Ethernet workgroups or networks. To segment the network and ease the network traffic, the 5 10/100/1000Mbps ports helps the SOHO switched networks become a friendly network backbone. Provides array LED indicators in the GSD-503, the network status can also be monitored at a glance.
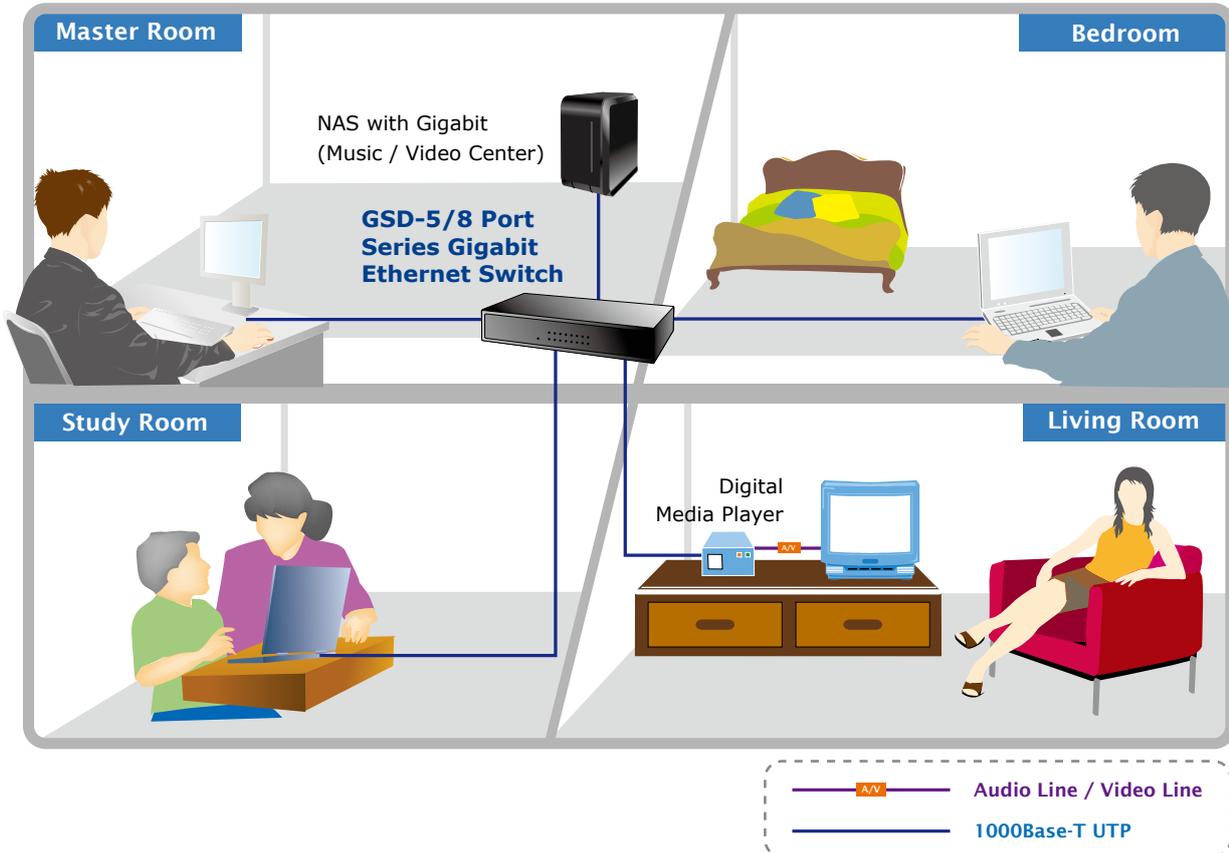
KEY FEATURES

- Complies with IEEE 802.3, 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T Ethernet standards

- 5-Port 10/100/1000Mbps Gigabit Ethernet ports

- Features Store-and-Forward mode with wire-speed filtering and forwarding rates

- Hardware based 10/100Mbps, half / full duplex and 1000Mbps full duplex mode, flow control and auto-negotiation

- IEEE 802.3x flow control for full duplex operation and Back pressure for half duplex operation

- Integrated address look-up engine, supports 8K absolute MAC addresses

- One power on/off button for energy saving

- Automatic address learning and address aging

- 9K Jumbo packet size

- Supports Auto MDI/MDI-X function

- Supports CSMA/CD protocol

- External power adapter 12V 0.5A

- FCC, CE class A compliant

APPLICATIONS

Backbone Switch

With a non-blocking design and compact size, PLANET GSD-503 5-Port 10/100/1000Mbps Gigabit Ethernet Switch helps users to deploy a Fast Ethernet network or to build a Gigabit high-bandwidth switched network quickly and easily. The GSD-503 can be directly connected to department switches and / or backbone servers for efficient Ethernet networking.

Master Room

NAS with Gigabit
(Music / Video Center)

GSD-5/8 Port Series Gigabit Ethernet Switch

Bedroom

Study Room

Living Room

Digital
Media Player

A/V

A/V ——— **Audio Line / Video Line**

——— **1000Base-T UTP**

SPECIFICATION

Product	5-Port 10/100/1000Mbps Gigabit Ethernet Desktop Switch (Metal)
Model	GSD-503
Hardware Specification	
Hardware Version	5
10/100/1000Base-T Ports	5 Auto MDI/MDIX ports
Enclosure	Metal
Power on/off button	1
Dimension (W x D x H)	155 x 86 x 26 mm
Weight (g)	360
Power Requirement	External power adapter 12V, 500mA
Power Consumption / Dissipation (Full operating)	4.4 Watts / 15 BTU
Switch Specification	
Switch Processing Scheme	Store-and-Forward
Address Table	8K entries
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Switch fabric	10Gbps
Throughput (packet per second)	7.44Mpps
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: -10~70 Degree C
Humidity Operating	Operating: 5~90%, Storage: 5~90% (Non-condensing)
Regulation Compliance	FCC Part 15 Class A, CE

* Remark: The specification is for GSD-503 hardware version 5 only.

ORDERING INFORMATION

GSD-503	5-Port 10/100/1000Mbps Gigabit Ethernet Desktop Switch (Metal)

C-GSD-503v5