

# 8-Port 10/100/1000Mbps Desktop Gigabit Ethernet Switch (Internal Power)



For small palm size and desktop installation with internal power supply source, PLANET releases the new GSD-805 wall mountable 10/100/1000Mbps Gigabit Ethernet Switch, which provides non-blocking wire-speed performance and with new metal shape for desktop deployment in compact housing or SOHO application.

The GSD-805 has 4K MAC Address table and offers wire-speed packets transfer performance without risk of packet loss. The Gigabit ports with 9K jumbo packet support and with a 16Gbps internal switching fabric can handle large amounts of data transmission in a secure topology linking to a backbone or high-power servers. The high data throughput of the device makes it ideal for most Gigabit environments, especially for the network upgrading to a Gigabit environment.

All of the GSD-805 RJ-45 copper interfaces support 10/100/1000Mbps Auto-Negotiation for optimal speed detection through RJ-45 Category 6, 5 or 5e cables. Compliant with standard for Auto-MDI/MDI-X enables GSD-805 to detect the type of connection to any Ethernet device without requiring special straight or crossover cables.

The Flow Control function of GSD-805 allows routers and Servers to directly connect to this device for fast, reliable data transfer.

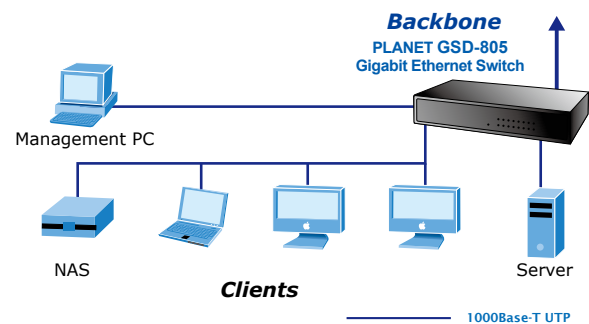
## KEY FEATURES

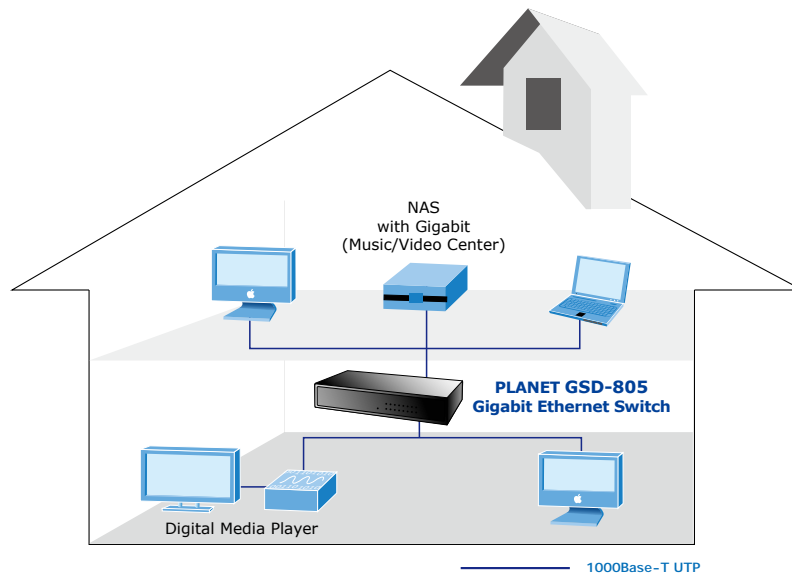
- Comply with IEEE 802.3, 10Base-T, IEEE 802.3u 100Base-TX, IEEE 802.3ab 1000Base-T Ethernet standard
- 8-Port 10/100/1000Mbps Gigabit Ethernet ports
- Features Store-and-Forward mode with wire-speed filtering and forwarding rates
- Hardware based 10/100Mbps, half / full duplex and 1000Mbps full duplex mode, flow control and auto-negotiation
- IEEE 802.3x flow control for full duplex operation and Backpressure for half duplex operation
- Integrated address look-up engine, support 4K absolute MAC addresses
- 1Mbit on-chip frame buffer
- 9K Jumbo packet support
- Automatic address learning and address aging
- Supports Auto MDI/MDI-X function
- Supports CSMA/CD protocol
- Internal power adapter 100-240V AC, 50/60Hz, 0.2A
- FCC, CE class A compliant

## APPLICATIONS

### Small Office / SOHO / Home Backbone Switch

With 8 RJ-45 10/100/1000Mbps ports for high-speed network connectivity and up to 16 Gigabits per second, non-blocking switch fabric, the GSD-805 can easily provide a local, high bandwidth, Gigabit Ethernet network for small Office, SOHO or home backbone applications.





## SPECIFICATION

Product	8-Port 10/100/1000Mbps Desktop Gigabit Ethernet Switch (Internal Power)
Model	GSD-805
<b>Hardware Specification</b>	
10/100/1000Base-T Ports	8
Dimension (W x D x H)	191 x 85 x 26 mm
Weight	390g
Power Requirement	Internal power 100-240V AC, 50/60Hz, 0.2A
Power Consumption / Dissipation	9.6 watts / 32 BTU
<b>Switch Specification</b>	
Switch Processing Scheme	Store-and-Forward
Address Table	4K entries
Share data Buffer	1Mbit on-chip frame buffer
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Switch fabric	16Gbps
Throughput (packet per second)	11.9Mpps
Network cables	10/100/1000Base-T: Cat. 3, 4, 5, 5e, 6 UTP cable (100meters, max.) EIA/TIA-568 100-ohm STP (100meters, max.)
<b>Standards Conformance</b>	
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-805	8-Port 10/100/1000Mbps Desktop Gigabit Ethernet Switch (Metal, Internal power)
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PLANET reserves the right to change specifications without prior notice.

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