

5/8-Port 10/100/1000Mbps Gigabit Ethernet Switch



The GSD-503 / GSD-803 are 5/8-Port 10/100/1000Mbps Gigabit Ethernet switches in compact housing for easily desktop deployment.

Providing 10/16Gbps non-blocking switch fabric as well as 8K MAC Address table, the GSD-503 / GSD-803 support 802.3x full duplex flow control and also offer wire-speed packet transfer performance without risk of packet loss. The Gigabit ports with jumbo frame feature supported can handle extremely large amounts of data transmission in a secure topology linking to a backbone or high-power servers.

All RJ-45 copper interfaces support 10/100/1000Mbps auto-negotiation for optimal speed detection through RJ-45 Category 3, 4, 5 or above cables. MDI/MDI-X auto detection is provided for direct wire connection to any Ethernet device without requiring crossover cables.

KEY FEATURE

- 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
- 5/8-Port 10/100/1000Mbps Gigabit Switch (RJ-45)
- 8K MAC address table auto-ageing, 112/144K bytes packet buffer
- 9K Jumbo packet size support
- Per port Auto-MDI, MDI-X detection
- Non-blocking, Store and Forward switching architecture
- Automatic source address learning and aging

SPECIFICATION

Product **5/8-Port 10/100/100Mbps Gigabit Ethernet Switch**

Model	GSD-503	GSD-803
Hardware		
Network Ports	5/8-Port 10/100/100Mbps RJ-45 with Auto-MDI/MDI-X	
Switch Architecture	Store and Forward	
Switch Fabric	10Gbps	16Gbps
Address Table	8K Entries	
Share Data Buffer	112KB	144KB
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex	
Dimension (W x D x H)	155 x 86 x 26 mm	
Weight	0.42 KG	0.43KG
Power Requirement	12V DC, 800 mA	
Temperature	Operating: 0~50 Degree C, Storage -40~70 Degree C	
Humidity Operating:	10% to 90%, Storage: 5% to 95% (Non-condensing)	
Standards Conformance		
Regulation Compliance	FCC Part 15 Class A, CE	
Standards Compliance	IEEE 802.3 (Ethernet) IEEE 802.3u (Fast Ethernet) IEEE 802.3ab(Gigabit Ethernet) IEEE 802.3x (Full-duplex flow control)	

APPLICATIONS
Backbone Switch

With a non-blocking design and compact size, PLANET's GSD-503 and GSD-803 5/8-Port 10/100/100Mbps Gigabit Ethernet switch make it easy to install a Fast Ethernet network, and can be used to build a Gigabit high-bandwidth switched network quickly and easily. You can directly connect to department switches and / or backbone servers.

ORDERING INFORMATION

GSD-503	5-Port 10/100/100Mbps Gigabit Ethernet Switch (Metal case)
GSD-803	8-Port 10/100/100Mbps Gigabit Ethernet Switch (Metal case)