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

The PLANET GSW-1601 is 10/100/1000Mbps Gigabit Ethernet switch with 16 Ports respectively, and non-blocking wire-speed performance. With a 32Gbps internal switching fabric, the GSW-1601 can handle extremely large amounts of data in a secure topology linking to a backbone or high capacity servers. The GSW-1601 has 8K MAC Address table and provides 272KB buffer memory. The GSW-1601offers wire-speed packets transfer performance without risk of packet loss. The high data throughput of GSW-1601 makes it ideal for most Gigabit environments, especially while network upgrades to a Gigabit environment.

All RJ-45 copper interfaces support 10/100/1000Mbps Auto-Negotiation for optimal speed detection through RJ-45 Category 6, 5 or 5e cables. Support is 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 allows your Gigabit switch supported routers and servers to directly connect to this switch for fast, reliable data transfer.

KEY FEATURE

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

- 16-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 8K absolute MAC addresses

- Provide 272KB buffer memory

- 9K Jumbo packet support

- Automatic address learning and address aging

- Supports Auto MDI/MDI-X function

- Support CSMA/CD protocol

- 100~240VAC, 3.0A, 50~60Hz universal Power input

- FCC, CE class A compliant

SPECIFICATION

Product	16-Port 10/100/1000Mbps Gigabit Ethernet Switch

Model	GSW-1601
Hardware Specification	
Network Ports	16-Port 10/100/100Mbps RJ-45 with Auto-MDI/MDI-X
Switch Architecture	Store and Forward
Switch Fabric	32Gbps
Switch Throughput	23.8Mbps
Address Table	8K Entries
Share Data Buffer	272KB
Flow Control	Back pressure for half duplex, IEEE 802.3x Pause Frame for full duplex
Dimension (W x H x D)	440 x 44 x 120 mm
Weight	1.6 KG
Power Requirement	100~240 VAC, 3.0A, 50-60 Hz
Power Consumption	30 watts, 102BTU
Temperature	Operating: 0~50 Degree C, Storage -40~70 Degree C
Humidity Operating:	10% to 90%, Storage: 5% to 95% (Non-condensing)
Standards Conformance	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 up to 32 Gigabits per second of non-blocking switch fabric, the GSW-1601 can easily provide the high bandwidth required both now and future.

Server Farm Switch

Providing 16 Gigabit Ethernet ports, the GSW-1601 is ideal to use as a server farm switch connecting to your servers and powerful desktops.

ORDERING INFORMATION

GSW-1601	16-Port 10/100/1000Mbps Gigabit Ethernet Switch

04-06   C-GSW1601-3