

# SoHoCon\_GSW-0806 H/W ver.: 2. x

## 8-port Gigabit Switch

**Gigabit Ethernet Solution-- LevelOne**'s GSW-0806 Gigabit Ethernet Switch is an ideal solution for solving traffic block at the core of the network. It is equipped with 8 Gigabit Ethernet ports and reaching 10Gbps backplane bandwidth thus creating high-speed backbone data transmissions. With its Gigabit Technology, this GSW-0806 is able to handle the multi-media, video streaming or real-time broadcast applications through your workgroup. Moreover, this switch will also fit into any enterprise level network to act as an exit to the backbone switch.

**Switching Technology** -- This GSW-0806 combines dynamic memory allocation with a store-and-forward switching architecture to ensure that the buffer is effectively allocated for each port. It also controls the data flow between transmit and receive nodes to guarantee against all possible packet loss. All ports support Auto-MDIX allowing uplinking to another switch directly without cable selection hassle.

**Easy to Use** -- This unit is small and desktop-sized specially designed to fit in space-limited locations. Users can immediately use any of the features of this product simply by attaching the cables and turning on the power to improve your network backbone performance. For instant error detection, the switch is equipped with a full range of LEDs to help you monitor and troubleshoot problems on your network.



GSW-0806

#### **Related Products**



**GSW-0506** 5-port Gigabit Switch



**GSW-0804** 8-port Gigabit Switch

### **Key Features**

- 8-port 10/100/1000 Mbps Gigabit Switch
- Complies with IEEE 802.3, 802.3u, 802.3ab
- Supports Auto-negotiation for speed and duplex modes for each port
- Up to 16Gbps Backplane bandwidth
- Supports Auto-MDI/MDI-X for each port

- Supports 4K absolute MAC addresses
- Supports 128KBytes RAM for data buffering
- Store-and-Forward switching architecture
- Front-panel diagnostic LEDs
- IEEE 802.3x flow control for full-duplex
- Back pressure flow control for half-duplex



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## **Technical Specification**

- Standards Compliance
   IEEE 802.3: 10 BASE-T
   IEEE 802.3u: 100 BASE-TX
   IEEE 802.3ab: Gigabit Ethernet
   IEEE 802.3x Flow Control for Full-Duplex
- Ports 8 x RJ-45 10/100/1000 Mbps ports
- Protocol CSMA/CD
- Switching Method
   Store-and-Forward switching architecture

#### Transfer Rate

14,880 pps for 10Mbps 148,800 pps for 100Mbps 1,488,000 pps for 1000Mbps

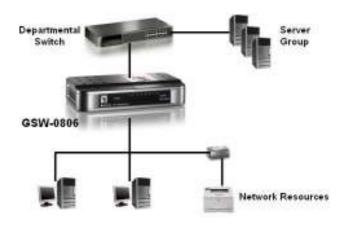
Cabling

Ethernet: 2-pair UTP/STP Cat.3,4,5, EIA/TIA-568 100-ohm Fast Ethernet: 2-pair UTP/STP Cat. 5, EIA/TIA-568 100-ohm Gigabit Ethernet: 4-pair UTP/STP Cat.5, EIA/TIA-568 100-ohm

Backplane
 16Gbps

## **Product Diagram**

- MAC Address Table 4K entries per device
- Buffer
   128KBytes per device
- LEDs Per Device: Power Per Port: 100/1000, Link/Act, Full-Duplex/Collision
- Power Supply External power DC 7.5V/1A
- Power Consumption 7.5 Watts (max)
- Temperature Operating: 0°C ~40°C Storage: -10°C ~70°C
- Humidity Operating: 5% ~ 95% Non-Condensing
- Dimension
   175mm(W) \* 104mm(H) \* 33mm(D)
   EAU and Safety
- EMI and Safety FCC class B, CE Marking Class B, VCCI Class B



## **Ordering Information**

GSW-0806: 8-Port Gigabit Switch



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