

## Ether-GSH2416W

### 24-port Pure Gigabit Copper+Fiber Web Management Switch

With the introduction of the Ether-GSH2416W, AirLive has developed the highest number of Gigabit fiber solution ports on the market. With 16 MiniGBIC connectors and 8 Gigabit copper port for total of 24-ports operating simultaneously. The Telecom and Service provider no longer have to pay the extra expensive of using multiple fiber transceivers.



#### Tag Based VLAN



Unlike ordinary web management switch that has only rudimentary port settings function. The Ether-GSH2416W equipped with some very useful and advance management features. Tag based VLAN allow administrators to configure VLAN groups across different switches. Private VID function is supported to allow switches to write tag information into the packet. So defining complex VLAN function across the entire network become much easier.

#### Rate Control, Trunking, Broadcast Storm filter

The data rate control allow to limit the speed of each port in 125 steps. The broadcast storm filter prevents one single station flood the network with broadcast packet. MAC based Trunking allow combining several ports to multiply the speed of one link. The priority allow certain port or packet to have more priority than others. The Static MAC address table function allow MIS to manually entering MAC address in a certain port. Finally port mirror is provided to allow MIS to sniff the packet of each ports for diagnostic purpose.

The Ether-GSH2416W is the most featured and cost effective Pure Gigabit Fiber web management switch on the market. Visit your AirLive dealer today for details.



## Specification

### Hardware

- 8 x 10/100/1000Base-T Nway, auto-sensing ports
- 16 x Mini-GBIC slots for optional 1000Base-SX or 1000Base-LX modules
- Auto MDI/MDI-X to eliminate needs for cross-over cabling
- RS-232 Console port
- 4M bit packet buffer
- 8K MAC entries and 4095 VLAN entries
- LEDs:
  - Power, Link/ACT, 10/100/1000Mbps
- 19" inch rack mountable

### Standard Compliance

- IEEE 802.3 10BaseT Ethernet
- IEEE 802.3u 100BaseTX Fast Ethernet
- IEEE 802.3ab 1000Base-T Gigabit Ethernet over Cat.5 cable
- IEEE 802.3x flow control
- IEEE 802.1p Priority Control
- IEEE 802.1q Tag VLAN
- IEEE 802.3ad Link Aggregation
- Support jumbo frame, Max. packet length 9728 byte

### Management Interface

- Web
- Ethernet Management Port

### Power

- Built-in Power Supply
- Input: 90-260VAC, 50/60Hz
- Consumption: 40 Watts max.

### Regulation

- FCC Part 15 Class A
- CE mark, Class A

### Management Functions

- Flow control for both half- or full-duplex operation
- broadcast storm filtering
- Static MAC address Port: Lock a MAC address to a port.
- Port Status
  - On/Off, Link, Auto Negotiation, Speed, Duplex, Flow Control, Priority
- Port Traffic Statistics
  - Tx Good Packets, Rx Good Packets, Tx Bad Packets, Rx Bad Packets, Tx Abort, Collision, Drop Packets
- VLAN
  - Port-based VLAN
- 802.1Q tag- VLAN, PVID support
- Support 802.1p 4-level priority queuing
- Port-Trunking
  - MAC based Trunk with fail over
  - 4 groups
- Port Mirror Function
- Firmware update through web

### Dimension

- 183mm (W) X 440mm (D) X 44mm (H)

### Weight

- 2.5 KG

## Ordering Information

**Ether-GSH2416W** Pure Gigabit 24-port Mixed Fiber WEB Management Switch

**MGB-SX** 1000Base-SX MiniGBIC Fiber Gigabit Transceiver, LC connector

**MGB-LX-10** 1000Base-LX MiniGBIC Fiber Gigabit Transceiver, LC connector, 10km