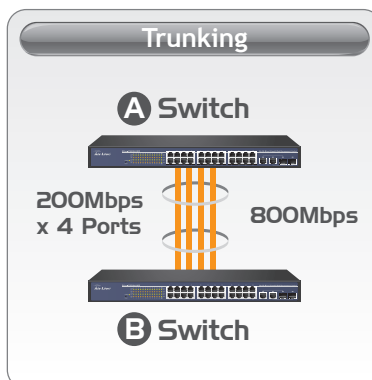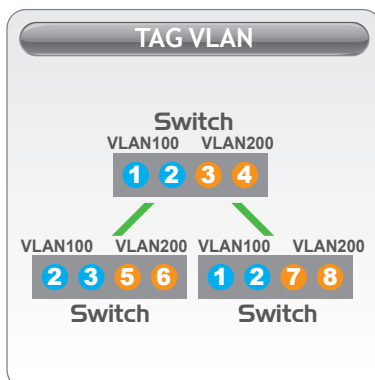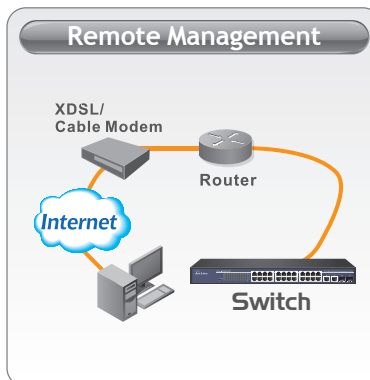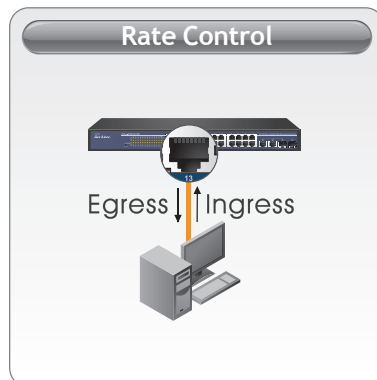# AirLive®
Powered by OvisLink Corp.

Ether-FSH2422W

24 + 2-port Mixed Gigabit Web Management Switch

The Ether-FSH2422W can fill the gap between unmanaged and fully managed switches. It is designed for growing businesses that want control over their network without the cost and complexity of a full Layer 2/Layer 3 management implementation.
AirLive Ether-FSH2422W, with built-in Gigabit ports, easily connects to servers or a Gigabit-speed backbone for a non-stop 10/100/1000-enabled network that can quickly deliver large multimedia, image and video files.
The Ether-FSH2422W has 24-port 10/100Base-T, 2-port 10/100/1000Base-T and SFP slots for optional fiber connectivity, growing business networks, classrooms and workgroups which benefit from superior performance and keep up with expanding network needs. This high-performance switch features non-blocking wire-speed architecture with an 8.8Gbps switching capacity for maximum data throughput.
In addition, Ether-FSH2422W have Web-browser interface that offers the simple Smart Switch management, configure ports, even set up port trunks, QoS, Rate control, Port base VLAN and broadcast storm filter. The AirLive Ether-FSH2422W is ideal for adding basic management to your unmanaged networks and extending your managed networks.

Rate Control
Egress ↓↑ Ingress

Remote Management
XDSL/Cable Modem
Router
Internet
Switch

TAG VLAN
Switch
VLAN100 VLAN200
1 2 3 4

VLAN100 VLAN200 VLAN100 VLAN200
2 3 5 6   1 2 7 8
Switch   Switch

Trunking
Ⓐ Switch
200Mbps x 4 Ports   800Mbps
Ⓑ Switch

Traffic Status
Traffic

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Remote Management

The Ether-FSH2422W allows users to configure the switch through local LAN or over the Internet from web browser.

Tag Based VLAN

Unlike ordinary web management switch that has only rudimentary port settings function. The Ether-FSH2422W 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. Defining complex VLAN function across the entire networks has become much easier.

Rate Control, Trunking, Broadcast/Multicast filter

The data rate control allows limiting the speed of each port from 32Kbps to 64Mbps (18 levels). This is very useful for internet café or FTTH operator as the broadcast/multicast filter control prevents one single station flooding the network with broadcast packet.

Port Trunk with LACP

Port based Trunking allows combining several ports to multiply the speed of one link. The Ether-FSH2422W support up to 4 trunk port members or 3 trunk groups. The priority allows each port to have 2 priority queues. Finally port mirror is provided to allow MIS to sniff the packet of each port for diagnostic purpose.

Specifications

Hardware
- 24 x 10/100Mbps RJ-45 + 2 x 10/100/1000Base-T Ports
- 2 x Mini-GBIC slots for optional Mini-GBIC Gigabit Fiber Transceivers
- Auto MDI/MDI-X to eliminate needs for cross-over cabling
- 512Kbytes Flash Rom
- 4K MAC Address Table
- Back-plane: 8.8Gbps with full wire speed
- LEDs:
    - 10/100 TX port : Activity/Duplex (green), Speed (green)
    - 10/100/1000T/ Mini-GBIC Combo: Activity/Duplex (green), Speed (green)
    - Power (green)
- 19" inch rack mountable

Standard Compliance
- IEEE 802.3 10Base-T Ethernet
- IEEE 802.3u 100Base-TX Fast Ethernet
- IEEE 802.3ab 1000Base-T
- IEEE 802.3z Gigabit Fiber
- IEEE 802.3x Flow Control and Back Pressure
- IEEE 802.3ad Port trunk with LACP
- IEEE 802.1p Class of Service
- IEEE 802.1Q Tag VLAN

Protocol

CSMA/CD

Management Interface

- Web browser
- Web firmware upgrade
- TFTP firmware upgrade
- Load Factory default

Software Functions

- Flow control for both half- or full-duplex operation
- Broadcast storm control
- VLAN : support port base, Tag base VLAN and up to 32 VLAN entry
- Allow user to configure for each port, speed, duplex mode
- Quality of Service: Support port base, Tag base, IPv4 Different Service
- Class of Service: Per port support 2 priority queues
- Spanning Tree: Support IEEE802.1w Rapid Spanning Tree Protocol and compatible with IEEE 802.1d
- DHCP client
- 802.1Q VLAN Tag
- 802.1p Priotiry Queues

- Port-Trunking (the trunk group up to 3 and maximum trunk port member up to 4)
- Port Mirror Function: Support TX/RX or TX+RX port mirror

Regulation

- FCC Class A
- CE mark

Dimension

- 440mm (W) X 120mm (D) X 44mm (H)

Power

- Built-in Power Supply
- Input: 100-240VAC, 50/60Hz, 0.8A (max.)
- Consumption: 17.4 Watts (max.)

Temperature

Operating : 0°C ~ 45°C (32°F ~ 113°F)
Storage : -40°C ~ 70°C

Humidity

Operating : 10% ~ 90% RH (Non-condensing)

Ordering Information:

Ether-FSH2422W	24+2 Mixed Gigabit 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

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