

# OvisLink

## **FSH2500F**     25-port Fast Ethernet Switch with two 100Base-FX Module Bays

### **Feature Summary**

* 25 x 10/100Base-TX auto MDI/MDIX ports
* 2 optional 100Base-FX fiber optic modules
* Up to 24 VLAN groups with server port
* 802.1p Priority



### **25-port 100Base-FX switch designed with S.I. functions**

The Ether-FSH2500F is a highly scalable switch designed for office or system integrator environment. The based configuration includes 25 x 10/100Base-TX ports. In addition, the switch comes with two 100Base-FX modular bays which can accommodate up to two 100Base-FX modules (single or multi-mode) using either SC, ST or MT-RJ connectors. 100Base-FX fiber optic connection allows link distance of up to 20km using single mode fiber and is virtually immune from electro-magnetic interferences.



With a simple push of a button on the front panel, the unique **Per-Port VLAN** mode will divide each port into its own VLAN groups sharing Port 25. This allow each port to be completely independent while enable all ports to share the device on Port 25 ( a server, internet connection, or connection to another switch). This feature is essential for community network where every household need to share network resource but want to block access from each other.

User can still choose to configure VLAN and Priority through the console port. This allows user to configure up to 8 VLANs groups with up to 25 ports per VLAN. The switch is also equipped with a high performance switching engine for non-blocking wire speed performance. Each port is equipped with auto MDI/MDI-X function that eliminate the need of using cross-over cables.

### **Specification**

- Compliant with IEEE 802.3 10Base-T Ethernet
- Compliant with IEEE802.3u 100BaseTX standard
- Compliant with IEEE 802.3u Nway auto-negotiation
- Compliant with IEEE802.3x flow control for full duplex, back-pressure for half-duplex
- 25 x 10/100Base-TX Nway ports, auto MDI/MDI-X (except Port 25 -MDI)
- 2 x 100Base-FX Module Bays, SC/ST/MT-RJ connectors
  - Multi-mode Module: up to 2km in distance
  - Single-mode Module: up to 20km in distance
  - Auto-swap function for port 24 and port 25
    - Port 25 auto-swapped to 100Base-FX fiber-optic module 1 when installed

- Port 24 auto-swapped to 100Base-FX fiber-optic module 2 when installed
- One RS-232 Console port
- Store-and-Forward Ethernet packet switch method
- **Smart Managements:**
  - Console Configuration for VLAN and Priority
  - VLAN:
    - Per Port VLAN mode: Turn on a button on the front panel will enable the mode which will create 24 VLAN groups, each VLAN group will include port 25. This allows each port to be in its own VLAN group while share the port-25 connection. Port-25 can be used for server, IP router, or connection to another switch.
    - Smart VLAN: Configure up to 8 VLAN groups through smart console. Each VLAN group can have up to 25 member ports.
  - 802.1p Priority: 2-level port based.
- Non-blocking wire speed switching architecture
- 8K MAC address
- 512KB Embedded memory Buffer.
- Shared frame buffer with starvation control
- Comprehensive LEDs for monitoring network diagnostics friendly
- Dimensions: 432 × 205 × 44 mm, 19" rack mountable
- Weight: 3.8 ~ 4.2kg
- Built-in power supply: 100~240 VAC, 50 ~ 60 Hz, 0.6 A, 30 Watts max.
- Safety/EMI: meet UL, FCC, CE, Korea EMI standard

### Ordering Information

<b>Ether-FSH2500F</b>	25-port Fast Ethernet Switch with 2 empty 100Base-FX Module Bays
<b>Ether-FSH2501F-SC</b>	25-port Fast Ethernet Switch with 1 x 100Base-FX module/SC connectors
<b>Ether-FSH2502F-SC</b>	25-port Fast Ethernet Switch with 2 x 100Base-FX modules/SC connectors
<b>Ether-FSH2501F-RJ</b>	25-port Fast Ethernet Switch with 1 x 100Base-FX module/MT-RJ connectors
<b>Ether-FSH2502F-RJ</b>	25-port Fast Ethernet Switch with 2 x 100Base-FX modules/MT-RJ connectors
<b>FEM-100FX-SC</b>	100Base-FX module with SC connectors for Ether-FSH2500F
<b>FEM-100FX-RJ</b>	100Base-FX module with MT-RJ connectors for Ether-FSH2500F