

# EDGEWIRE EW S2108/S2224

## —Hi-performance, Network Manageable Gigabit Ethernet Switch

Edgewire, EW S2108/S2224 is a modularized hi-performance workgroup-level or enterprise-scale switch, with 8/24 Fast Ethernet ports and 1 port 10/100/1000M TX/Gigabit SFP(S2108) / 2 expansion slots(S2224) for Gigabit connections. EW S2108/S2224 can connect all (Fast) Ethernet devices so that your investment is protected. The hi-speed connection it provides among workgroups can boost the capability of server clusters, and solves the bottleneck caused by increasing users and limited bandwidth, making network resources more readily available to you. More importantly, all of the advantages are brought to you by EW at low costs and with easy maintenance.



### *Application*

- Hi-performance inter-workgroup or enterprise-edge switching

### *Features*

#### **Performance**

- 8/24 Gbps switch fabric, non-congestion design, all wire-speed forwarding
- 80-km transfer by Gigabit optical fiber, direct connection to WAN

#### **Security and reliability**

- Quota system for connected hosts per port
- IEEE 802.1x port-based user authentication
- Port trunking adds to bandwidth and redundancy

#### **Easy maintenance**

- Automatic recognition for straight-through or cross-over cables
- Stackable physically and through cluster technology. Central management with unified IP address saves IP addresses
- Management via CONSOLE port, Web, SNMP, Telnet, etc.
- Software and BootRom upgrade through TFTP

#### **Traffic and broadcast control**

- Auto-detection and restraining of broadcast storm, IGMP snooping, effectively restrict broadcast flooding
- Full- and half- duplex traffic control
- Ethernet port rate limiting with 64 K step size(1 M step size for rate over 1.8 M)
- Advanced buffer management, 802.1p support. 4 dispatching queues per port, mapping the 8 priority queues in 802.1p
- QoS support

### *Specifications*

	<b>S2108</b>	<b>S2224</b>
Port & Slot	8 * 10/100M TX 1 * GSFP/TX Combo 1 * Console Port	24 * 10/100M TX 2 * 100/1000M Slots 1 * Console Port
Switch Fabric	8 Gbps	24 Gbps
Forwarding Rate	All wire-speed forwarding and filtering	
Switching Mode	Store-and-forward	
MAC Address Table Size	4K	8 K
Queuing Buffer	32 MB	64 MB
Dimensions (L × W × H) (mm)	230 × 147 × 44	442 × 316 × 44
Power Input	AC 100~240 V, 47 ~ 63 Hz, 1A/230V	
LED Indicators	Power, system, link, activity, 10/100M	
Temperature	Operating: 0 ~ 50°C, non-operating: -40 ~ 70°C	
Humidity	0 ~ 90% (no condensing)	
<b>Functions</b>		
Spanning Tree	IEEE 802.1D STP, link path backup, IEEE 802.1w RSTP, IEEE802.1s MSTP	
VLAN	Port-based VLAN, 802.1Q tag VLAN, GVRP, port isolation at per VLAN, QinQ	
VLAN Number	4K, partition at will	
Traffic Control	Back pressure at half-duplex, 802.3x at full-duplex, port rate limiting: 64 K step size	
Storm Control	Stop sending at threshold to restrict broadcast/multicast/unicast storms	
Multicast Control	IGMP snooping	
Port Trunking	Up to 3 groups with up to 8 ports per group, dynamic LACP or static aggregation	
Stacking	Support hardware stack	
Clustering	Up to 256, manageable through single IP	
Security	IEEE 802.1x port-based user authentication Remote authentication through RADIUS Port Security MAC filtering Port+MAC binding	
QoS	4 dispatching queues per port, mapping the 8 priority queues in 802.1p	
Network Management	SNMP, RMON, Telnet, Command Line Interface (CLI) Support EW network management tools suite: Broad Director, and other general network management software	
Software Upgrade	TFTP	
Configuration Upload/download	TFTP	

## *Modules Supported by Gigabit Slots*

EW S2108	Network manageable Ethernet switch with 8 10/100M Fast Ethernet ports, 1 10/100/1000M TX/Gigabit SFP port, and 1 Console port.
EW S2224	Network manageable Ethernet switch with 24 10/100M Fast Ethernet ports, 2 expansion slots, and 1 Console port.
EW S2224-DC	Network manageable Ethernet switch with 24 10/100M Fast Ethernet ports, 2 expansion slots, and 1 Console port. DC power support.
LS-1FE-TX	1-port 100-M RJ45 Ethernet Module
LS-1FE-FX (SM)	1-port 100-M Single-mode 1310 nm, 15 km, SC interface Optical Module
LS-1FE-FX (SM)-40	1-port 100-M Single-mode 1310 nm, 40 km, SC interface Optical Module
LS-1FE-FX (MM)	1-port 100-M Multi-mode 1310 nm, 2 km, SC interface Optical Module
LS-1FE-SFP	1-port 1000-M SFP Module (need SFP module)
LS-1GE-TX	1-port 1000-M RJ45 Ethernet Module
LS-1GE-TX/SFP	1-port 1000-M SFP/RJ45 Ethernet Combo Module (need GSFP module)
FSFP-SX-1310	1-port 100M SFP module, multi-mode, 1310nm, 2km
FSFP-LX-15	1-port 100M SFP module, single-mode 1310nm, 15km
FSFP-LX-40	1-port 100M SFP module, single-mode 1310nm, 40km
FSFP-ZX-80	1-port 100M SFP module, single-mode 1550nm, 80km
GSFP-SX	1-port 1000M SFP module, multi-mode, 550 m, 850 nm
GSFP-LX-10	1-port 1000M SFP module, single-mode, 10 km, 1310 nm
GSFP-LX-40	1-port 1000M SFP module, single-mode, 40 km, 1310 nm
GSFP-ZX-80	1-port 1000M SFP module, single-mode, 80 km, 1550 nm
LS-1STACK	1-port stacking module

The functions and corresponding parameters may change in light of the upgrade of software, modular, etc. The right of final interpretation belongs to PRO. For more information, please contact us.

### **EDGEWIRE NETWORKS**

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