

BroadSwitch™

Fast Ethernet L2 Switch

FES2402i 24+2 Managed

Stackable Design

Clusters up to 8 switches with one IP management

Gigabit Expansion Slot

Available copper or fiber modules for Network backbone uplinks

High Availability

Advanced Spanning Tree support with enhanced VLAN options



FES2402i with Gigabit media slot

The BroadSwitch™ FES Series Managed Switch packs the widest range of advanced features available for the mid-Enterprise and SMB markets offering an outstanding value and investment return. Scalability includes a stackable design and Fiber module expansion slot for Gigabit uplink. The high performance switch is designed with robust reliability and remarkable scalability to meet the growth demands of mission critical networks.

Advanced Spanning Tree Protocol features provide increased service reliability through improved failover responsiveness and load balancing among different VLAN trunks. Specialized QoS features deliver efficient and optimized bandwidth utilization. The switch is fully manageable by Web, SNMP or Telnet.

Features and Benefits

Wire Speed to All Ports - 32Gbps Non-blocking switch fabric offers wire speed performance to each port.

Enhanced Security - Supports port based RADIUS authentication, port based packet filtering, and DoS blocking to protect networks from internal attacks. Authentication includes MAC filtering and 802.1x, while uni and multicast filtering options help to minimize the effects of virus-based DoS attacks. Packet filtering includes NetBIOS, NetBUEI, and DHCP traffic.

High Availability - Advanced spanning tree support includes RSTP and MSTP to enhance VLAN trunking and failover resiliency.

VLAN and Multicast - VLAN is supported on a port, tag and protocol basis, and IGMP snooping provides multicast traffic management for more efficient bandwidth utilization.

Quality of Service - Provides L2 / L3 packet classification with 2 priority queues and 1Mbps rate granularity. Bandwidth guarantee includes WRR algorithm for intelligent congestion management.

Stackable Design - Up to 8 stacked switches can be clustered for a total aggregation of 192 ports and manageable under a single IP address.

Gigabit Uplink Option - Includes module-ready expansion slots for adding Gigabit interface capability for uplink or cascading. Available modules support copper and single or multi-mode fiber.

Fully Manageable - Local and remote management via SNMP, Telnet and Web, with Syslog reporting.

SOHoware®

Specifications

Model	FES2402i	2+24 Port Layer 2 Fast Ethernet Managed Switch
Port Density	24 - 10/100Base-Tx (RJ-45); auto-sensing/auto-negotiation (MDI/MDIX) 2 - Expansion Slots for Gigabit uplink modules 1 - Console Port, RS-232 (RJ-45); with conversion cable (DB-9 interface)	
Available Modules	FES2402iM2G-T FES2402iM2-FX FES2402iM2G-GBIC <ul style="list-style-type: none">● GBIC-MM● GBIC-SM	2 Ports - 1000Base-T module (copper) 2 Ports - 100Base-FX module (multi-mode) 2 Ports - GBIC module card (holds two GBIC transceivers) 1 Port - 1000Base-SX GBIC transceiver (multi-mode) 1 Port - 1000Base-LX GBIC transceiver (single-mode)
Management	Web interface (HTTP) In/out of band: SNMPv1/v2, Telnet and CLI Firmware: FTP, TFTP NTP Client	
Monitoring	Syslog (client and local save) RMON: 4 groups (history, statistics, alarm, events) Port mirroring	
IP Clustering	Stacking up to 8 switches (one IP management - 192 aggregated ports)	
Link aggregation	7 trunk groups for aggregation	
Bandwidth Capacity	Switch fabric: 32 Gbps (non-blocking) Packet forwarding: 6.6Mpps	
Throughput	Full wire speed forwarding Back pressure and flow control	
Quality of Service	2 priority queue levels per port (802.1p) WRR minimum bandwidth guarantee Rate level granularity: 100Kbps	
Multicast	IGMP snooping	
DHCP	Server and relay	
Spanning Tree	STP (802.1d) High Availability: RSTP - rapid spanning tree (802.1w) Load distribution: MSTP - multiple spanning tree (802.1s)	
VLAN	Port, Tag, and Protocol based - up to 256 groups (802.1q); plus GVRP	
Security	IEEE802.1x port based authentication, Access Host Port security: packet filtering for NetBIOS, NetBUEI, and DHCP	
MAC Addresses	14K entries	
Indicators (LED)	Port: Link/Act/Speed System: Power/Run/Fan	
Processor Performance	Processor: Motorola MPC850 Memory: 8MB flash, 3MB buffer, 64MB DRAM MTBF: >60,000 hrs	
IEEE Standards	802.3, 802.3u, 802.3ab, 802.3z, 802.3x, 802.1d, 802.1w, 802.1s, 802.1p, 802.1q, 802.1v, 802.1x	
Operating Environment	Operating Temperature: 0 - 60°C (32 - 140°F) Humidity: 0-90% non-condensing	
Physical	Dimensions: 43.6 x 440 x 246.2mm (1.7 x 17.3 x 9.7 inches) - std rack mount Weight: 3Kg (6.6 lbs) Power: 100-240 VAC, 50/60 Hz (internal auto-switching); 19W consumption (typ)	
Regulatory Approval	FCC, UL, CE	
Warranty	Three year, limited; optional extended warranty available	

(c) 2004, SOHOware, Inc. All rights reserved (Ver. 2.0). Product image and specifications are subject to change without prior notice.

SOHOware[®]

Your Partner for SMB Networking[™]. SOHOware, Inc. Headquarters 3050 Coronado Dr.
Santa Clara, CA 95054 Tel. 1.800.632.1118 Fax. 1.408.565.9889 www.sohoware.com