



SH-2400VFR

24-Port 10/100M TP + 1 Slot for 100Base FX module Smart Switch

Key Features

- Conform to IEEE 802.3 10BASE-T, IEEE 802.3u 100BASE-TX /FX, and IEEE 802.3x
- Provide 24 non-blocking 10/100Mbps Fast Ethernet Ports support Auto MDI/MDI-X
- Provide one fiber slide-in port for expansion the workgroup distance
- Provide back-pressure in half-duplex and flow control in full-duplex
- Store-and-forward switching scheme capability supports rate adaptation and ensures data integrity
- N-way Auto-negotiation on each RJ-45 port.
- Auto-polarity detection for correction of incorrect polarity on the received twisted-pair
- Full/half-duplex mode operation on all ports
- Auto-negotiation capability
- Source address learning and aging function
- Provide 8K MAC address and 2.5Mbits SSRAM buffer per device
- LEDs to indicate Power, link/activity, full-duplex/collision, and speed (10/100Mbps) status
- Support up to 32 VLAN groups entries for port based VLAN.
- Support up to 7 Trunk groups function with load balance and fault tolerance

Overview

SH-2400VFR :24-Port 10/100Mbps Fast Ethernet Smart Switch is the latest design in its N-Way Switches series for easy installation and high-performance in an environment where traffic on the network and the number of users increase continuously.

SH-2400VFR provides 24 10/100M Fast Ethernet Ports support Auto MDI/MDI-X. Small businesses and corporate branch offices can take full advantage of 100Mbps

Technical Specifications

- **Standards:**
 - IEEE 802.3 10Base-T Ethernet
 - IEEE 802.3u 100Base-TX/FX Fast Ethernet
 - IEEE 802.3x Flow control for Full-Duplex
 - ANSI/IEEE Std 802.3 N-way auto-negotiation
- **Protocol:** CSMA/CD
- **Topology:** Star
- **Networking Interface:** 24 10/100 Mbps RJ-45 ports (Auto MDI/MDI-X)
- **Cable:**
 - 10BASE-T:** UTP Cat.3, 4, 5 or up (Max. cable length 100m)
 - 100BASE-TX:** UTP Cat.5 or up (Max. cable length 100m)
 - 100BASE-FX:** Multi-mode Fiber cable (Max. cable length 2000m)
- **Transmission Method:** Store and Forward
- **Transfer Rate:**
 - Ethernet:** 10M(half-duplex), 20M(full-duplex)
 - Fast Ethernet:** 100M(half-duplex), 200M(full-duplex)
- **Filtering Address Table:** 8K
- **Buffer Memory:** total 2.5M bits (per device)
- **Packet Forwarding / Filtering Rate**
 - 10 Mbps: 14880 pps
 - 100 Mbps: 148800 pps
- **LED Indicator:**
 - Power, link/activity, full-duplex/collision, speed (10/100Mbps) status
- **Power Requirement**
 - Requirement:** Input: AC90~264V, 47~63Hz, Output: 3.3V/7A
 - Consumption:** maximum 10W
- **Ambient Temperature:**
 - Operation:** 0~45°C
 - Storage:** 0~60°C
- **Humidity:**
 - Operation:** 10~90%
 - Storage:** 5~95%
- **Dimensions:** 440(W) x 44(H) x 148.5(D) mm
- **Certification:** FCC Part 15 Class A & CE Mark

Fast Ethernet performance and preserve existing desktop investment with no changes required to PCs, NICs, cabling, drivers, or PC configurations.

Ordering Information

- **Model:**

SH-2400VFR: 24-Port 10/100M TP + 1 Slot for 100Base FX module
Smart Switch

- **Optional Fiber Module:**

EM-1SC: 100M multi mode, SC type transceiver

EM-1ST: 100M multi mode, ST type transceiver

EM-1SC.S20: 100M single mode, SC type transceiver, 20Km

