

## **ES-3124RL**

24 Ports 10/100Mbps Rackmount Switch



24 Ports 10/100Mbps Switch  
MDI/MDI-X and Full/Half Duplex Auto-Negotiation  
Store and Forward Switching Architecture  
Flow Control: Back Pressure for Half-duplex Mode, IEEE 802.3x for Full Duplex Mode  
Compact 19" Rackmount size

## **Overview and Specifications :**

### **General Description**

The device is a powerful, high-performance Fast Ethernet switch, with all 24 / 26 ports capable of 10 or 100Mbps auto-negotiation operation (N-Way) which means the switch could automatically negotiate with the connected partners on the network speed and duplex mode. It is ideal for micro-segmenting large networks into smaller, connected subnets for improved performance, enabling the bandwidth demanding multimedia and imaging applications.

Moreover, the 10/100Mbps auto-sensing ability provides an easy way to migrate 10Mbps to 100Mbps network with no pain. Compared to the shared 10Mbps or 100Mbps networks, the switch delivers a dedicated 10/100Mbps connection to every attached client with no bandwidth congestion issue. Store-and-forward switching mode promises the low latency plus eliminates all the network errors, including runt and CRC error packets.

To work under full-duplex mode, transmission and reception of the frames can occur simultaneously without causing collisions as well as double the network bandwidth. The switch is plug-n-play without any software to configure and also fully compliant with all kinds of network protocols. Moreover, the rich diagnostic LEDs on the front-panel provide the operating status of individual port and whole system.

### **Key Features**

- Complies with 10Base-T and 100BASE-TX specifications
- RJ-45 ports for 100Base-TX and 10Base-T connectivity
- Supports N-Way protocol for speed (10/100Mbps) and duplex mode (Half/Full) auto-detection
- Supports MDI/MDI-X auto crossover
- Supports full and half duplex operation on all ports
- Supports back-pressure (half duplex) and flow control (802.3x)
- Wire-speed packet filtering and forwarding rate
- Store & forward architecture filters fragment & CRC error packets
- Supports 8K MAC entries
- 160K bytes buffer memory



- Supports extensive LED indicators for network diagnostics
- 19-inch standard rack-mountable design
- Internal universal switching power supply
- FCC Class A, VCCI Class A , CE

Model No.	ES-3124RL
Standard	IEEE802.3, IEEE802.3u and IEEE802.3x standards
Interface	10/100Mbps RJ-45 NWay ports
NWay Protocol Support	Network speed: 10Mbps and 100Mbps Duplex mode: Full and Half
Buffer Memory	160K bytes for the whole system
Filtering/Forwarding Rate	10Mbps: 14,880pps/14,880pps 100Mbps: 148,800pps/148,800pps
Emission	FCC Class A, VCCI Class A, CE
Rich LED indicators	System: Power Port: Link/Act
Operating Temperature	00- 400C (320- 1040F)
Operating Humidity	10% ~ 90% (non-condensing)
Dimension	441 x 130 x 44 mm
Power Supply	3.3V 4A (100 ~ 240VAC, 50~60 Hz)