ES4000 Series
5/8/16/24-Port Gigabit Ethernet Switch

Product Overview

Edge-Core ES4000 Gigabit Ethernet Switch series are designed for simple installation and high performance in an environment where traffic on the network and the number of user increase continuously. With newest switching technology, ES4000 series can support high speed switching with full loaded with traffic on all ports. ES4000 series feature non-blocking, wire-speed switching that forwards packets as fast as your network can deliver it.
With our advanced technology, users can leverage the whole network utilization to the extreme limit. No matter how intensive your network demands are, Edge-Core fulfills users' needs with an affordable and efficient networking solution that you can always rely on.

Key Features and Benefits

Easy to install and use
ES4000 series require no configuration; users can just plug and play. No effort to learn how to set-up the device.

Great value to extend the network
Edge-Core provides the best value for delivering the Gigabit Ethernet solution with great performance. Each port of devices has its dedicated full-duplex 2000Mbps bandwidth that provides users the best network solution.

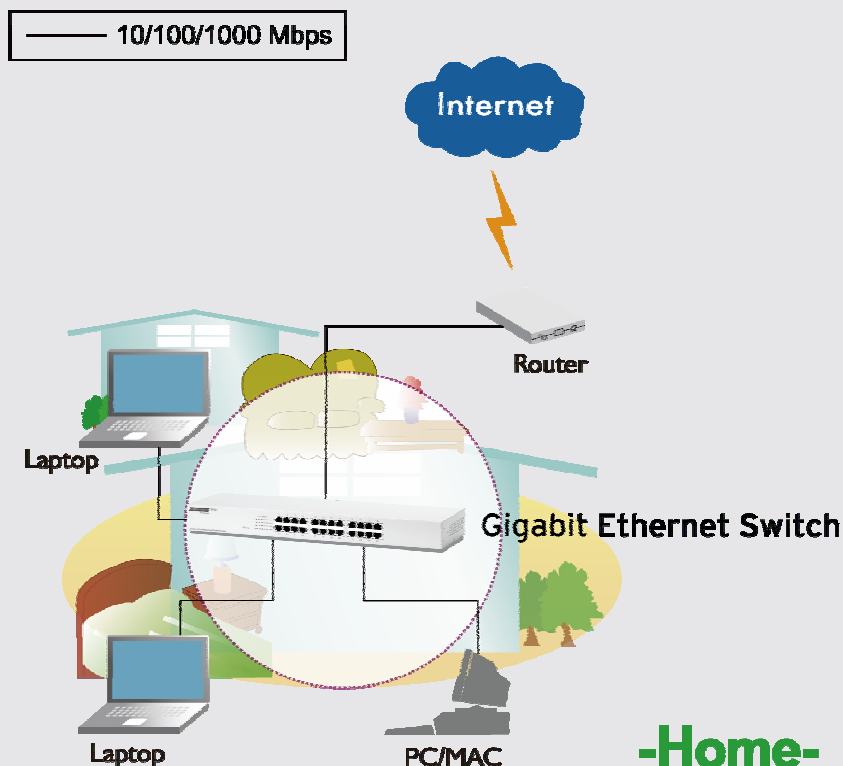### Maximize network performance and usage
By connecting ES4000 series switch to your router or another switch, you can add more computers to networks.

Maximize investment
Build up the networking for friends/families/facilities within one bandwidth subscription.

Compact design
Small and compact design to fit the ES4000 series switch anywhere within home or office

——— 10/100/1000 Mbps

Internet

Router

Laptop

Gigabit Ethernet Switch

Laptop

PC/MAC

-Home-

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ES4000 Series Product Specifications

Features

Physical Ports

ES4005V: 5 10/100/1000Base-T auto-negotiation ports
ES4008V: 8 10/100/1000Base-T auto-negotiation ports
ES4016: 16 10/100/1000Base-T auto-negotiation ports
ES4024: 24 10/100/1000Base-T auto-negotiation ports

LED Indicators

ES4005V
■ System: POWER
■ Port: Link/Act ,1000M
ES4008V
■ System: POWER
■ Port: Link/Act ,1000M
ES4016
■ System: POWER
■ Port: Link/Act, 1000M
ES4024
■ System: POWER
■ Port: Link/Act, 1000M

Performance

Switching Capacity
▪ ES4005V :10Gbps
▪ ES4008V :16Gbps
▪ ES4016: 32Gbps
▪ ES4024: 48Gbps
The Size of MAC Address Table
■ ES4005V :4K
■ ES4008V :8K
■ ES4016: 8K
■ ES4024: 8K
Packet Buffer Size
■ ES4005V : 112Kb
■ ES4008V : 144Kb
■ ES4016: 340Kb (9KB Jumbo Frame)
■ ES4024: 500Kb (9KB Jumbo Frame)

Advance Features

■ Full-duplex 2000Mbps bandwidth on each port
■ Store & Forward switching methods
■ Broadcast Storm Control
■ IEEE 802.3x flow control for Full-duplex and Back-Pressure for Half-duplex
■ Non head-of-line blocking architecture

Standards and Protocols

IEEE 802.3, 802.3u, 802.3ab, 802.3x

Power Supply

ES4005V
■ External Power Adapter: AC/DC 9V/ 1.0A
■ Power Consumption 9 Watts (Max)
ES4008V
■ External Power Adapter: AC/DC 9V/1.0A
■ Power Consumption 9 Watts (Max)
ES4016
■ Internal Power Supply: 100~240V/AC, 50~60Hz
■ Power Consumption 28 Watts (Max)
ES4024
■ Internal Power Supply: 100~240V/AC, 50~60Hz
■ Power Consumption 28 Watts (Max)

Mechanical

ES4005V
■ Dimension (H x W x D): 28 mm x 106mm x 84mm
■ SOHO metal case
■ Weight:275g
ES4008V
■ Dimension (H x W x D): 28 mm x 148mm x 84mm
■ SOHO metal case
■ Weight:375g
ES4016
■ Dimension (H x W x D): 44mm x 440mm x 171mm
■ 19" rack-mount metal case
■ Weight:2.0Kg
ES4024
■ Dimension (H x W x D):44mm x 440mm x 171mm
■ 19" rack-mount metal case
■ Weight:2.2 Kg

Transmission Media

1000BASE-T: Four-pair Cat 5 cable, 100m maximum
100BASE-TX: Two-pair Cat 5 cable, 100m maximum
10BASE-T: Two-pair Cat 3/4/5 cable, 100m maximum

Electromagnetic Compatibility

ES4005V /ES4008V : CE Class B and FCC Class B
ES4016/ES4024: CE Class A and FCC Class A

Environmental Specifications

Operating Temperature
■ 0℃ ~ 40℃
Store Temperature
■ -40℃ to 70℃
Humidity
■ 10% to 90% (Non-condensing)

Ordering Information

Package Contents

1 x Switch
1 x AC Power Cord (ES4016/ES4024)
 or Adapter (ES4005V /ES4008V)
4 x Rubber pad
1 x User Guide

Product Description

ES4005V / F0L384005400A: 5-port SOHO Gigabit Ethernet Switch
ES4008V / F0L384008003H: 8-port SOHO Gigabit Ethernet Switch
ES4016   / F0L384016002H: 16-port 19" Gigabit Ethernet Switch
ES4024   / F0L384024002H: 24-port 19" Gigabit Ethernet Switch