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SWITCHES

VDSL

WIRELESS

VOIP

STORAGE

BROADBAND

ADAPTERS

SMCFS1601/SMCFS2401

EZ Switch™ 10/100
16-/24-Port Unmanaged Fast Ethernet Switches

Product Overview

The EZ Switch 10/100 SMCFS1601 and SMCFS2401 are unmanaged, rack-mountable 16- and 24-port Fast Ethernet switches for workgroup and small office environments. All 10BASE-T/ 100BASE-TX ports deliver dedicated 10/100 Mbps links to each attached LAN segment – all with conventional cabling and adapters. Auto-negotiation is used to select the optimal communication mode for each connection, auto-sensing selects the optimal transmission speed. With store-and-forward switching and flow control, maximum data integrity is always maintained, even under heavy loading. Environmentally friendly, the switches consume less power than non-Green Ethernet switches without reducing network performance. Easy installation and reliability make these plug-and-play switches an ideal choice for smooth Fast Ethernet integration in workgroup and small office network environments.

802.3az
Green Saving

Key Features and Benefits

IEEE 802.3az Energy-Efficient Ethernet Support
When two 802.3az-compliant switches are connected, up to 49%* of power consumption can be saved.

Auto MDI/MDI-X on Each Port
Support for Auto-MDIX means that no crossover cables are required. Straight-through cables can be used for all connections.
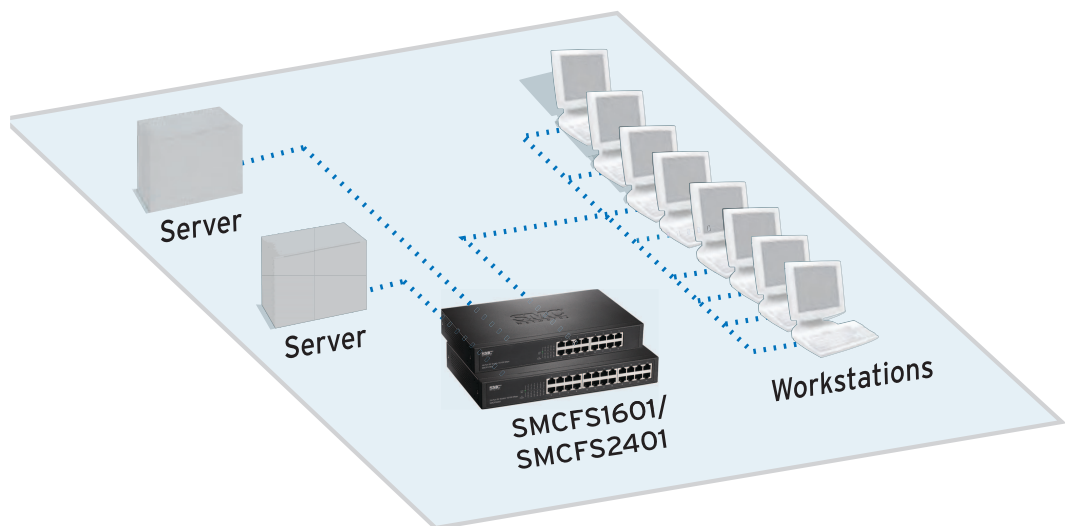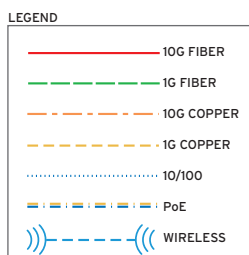
Support for Quality of Service
When the switches receive a frame tagged with an 802.1p priority tag, it is placed in the appropriate priority queue. Priority queuing is useful in environments where time-sensitive data, such as voice and video, are streamed across the network.

Metal Chassis Fan-less Design
The compact, rack mountable metal chassis is ideal for desktop or rack mounting. In addition, the lack of fans provides silent operation.

* According to an IEEE 802.3az Energy Efficient Ethernet measurement test conducted by an independent testing company, the SMCFS1601 and SMCFS2401 save up to 49% when each is compared to a non-Green Ethernet switch.

Application Diagram

LEGEND
— 10G FIBER
– – – 1G FIBER
—·—· 10G COPPER
–·–·– 1G COPPER
········ 10/100
·–·–· PoE
))·–·–·(((WIRELESS

Server

Server

SMCFS1601/ SMCFS2401

Workstations

Features

PHYSICAL PORTS
SMCFS1601:
■ 16 x 10/100 Mbps auto-negotiation RJ-45 ports

SMCFS2401:
■ 24 x 10/100 Mbps auto-negotiation RJ-45 ports

NETWORK INTERFACE
■ 10BASE-T (IEEE 802.3)
■ 100BASE-TX (IEEE 802.3u)

FEATURE
■ IEEE 802.3x Flow Control
■ IEEE 802.1p QoS
■ Auto-MDI/MDIX
■ IEEE 802.3az
■ Fan-less design

LED
■ System: Power
■ Ports: Link/Activity

SWITCHING DATABASE
■ SMCFS1601: 8K MAC address entries
■ SMCFS2401: 8K MAC address entries

BUFFER MEMORY
■ SMCFS1601: 256 KBytes/device
■ SMCFS2401: 256 KBytes/device

SWITCHING CAPACITY
■ SMCFS1601: 3.2 Gbps non-blocking
■ SMCFS2401: 4.8 Gbps non-blocking

POWER REQUIREMENT
■ 100-240V~50/60Hz, 0.3A

FRAME FILTER RATE
■ 10BASE-T: 14881 pps/port
■ 100BASE-TX: 148810 pps/port

FRAME FORWARDING RATE
■ 10BASE-T: 14881 pps/port
■ 100BASE-TX: 148810 pps/port

THROUGHPUT
■ SMCFS1601: 2.4 Mpps
■ SMCFS2401: 3.6 Mpps

DIMENSIONS
■ 294 x 180 x 44 mm (11.6 x 7.1 x 1.7 in)

WEIGHT
■ SMCFS1601: 1.287 kg (2.83 lbs)
■ SMCFS2401: 1.321 kg (2.91 lbs)

ELECTROMAGNETIC COMPATIBILITY
■ CE Mark
■ FCC Class A
■ KCC

IMMUNITY
■ EN55024
■ IEC61000-4/2/3/4/5/6/8/11

EMISSIONS
■ FCC Class A, EN55022/EN61000-3-2/3

SAFETY
■ LVD (EN60950)

TEMPERATURE
■ Operating Temperature: 0°C~40°C (32°F~104°F)
■ Operating Humidity: 10%~90% non-condensing
■ Storage Temperature: -40°C~70°C (-40°F~158°F)
■ Storage Humidity: 5%~90% non-condensing

WARRANTY
Please check www.smc.com for the warranty terms in your country.

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