

# ES420 Series Gigabits Web-Smart Ethernet Access Switch Datasheet



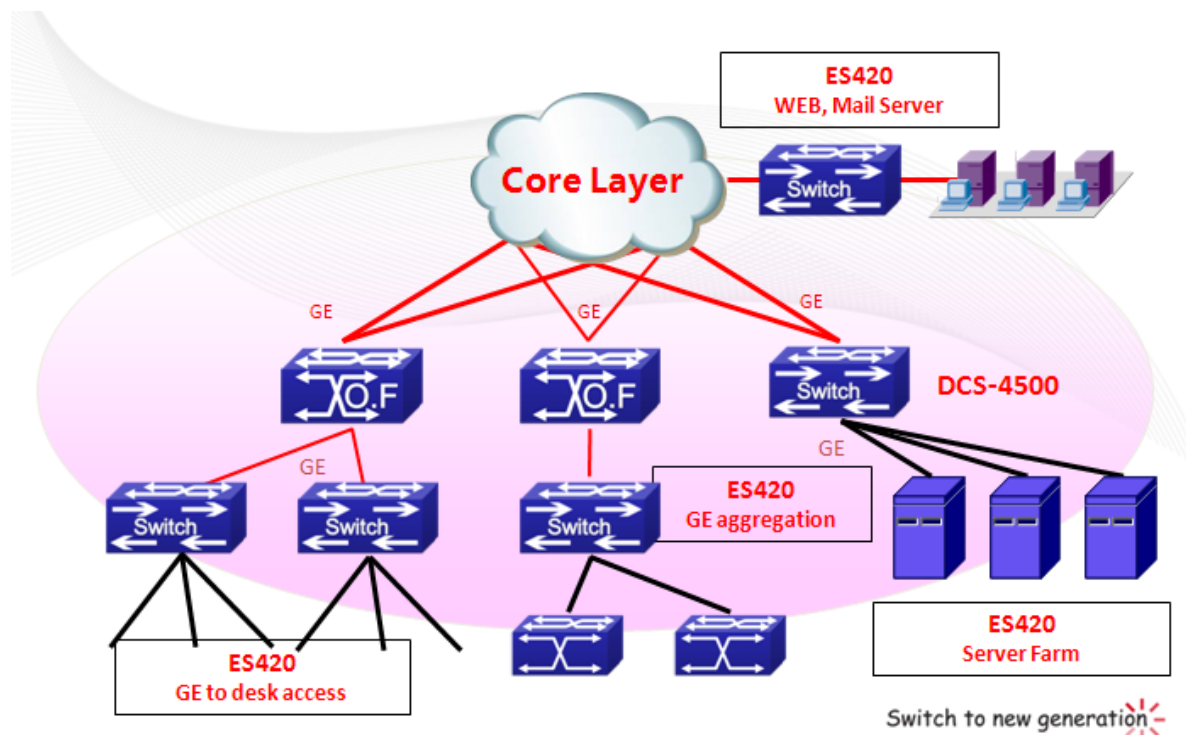
ES420-28

## ■ Product Overview

The ES420-28 has 28 ports including 24 10/100/1000BASE-TX ports and 4 Gigabit Ethernet SFP. With high-performance hardware, the ES420-28 offers a wide array of features to help customers build secure, reliable, high-performance networks.

The ES420-28 is easy to install and maintain, and is ideal for small- and medium-size enterprises, Internet cafes, hotels, and schools with fanless design for silent operation.

## ■ Application



## ■ Main Features

### ➤ Performance and Scalability

With 56 Gbps switching capacity, the ES420-28 delivers wire-speed switching performance on all Gigabit Ethernet Ports, allowing users to take full advantage of existing high performance servers, PCs, and laptops by significantly improving the responsiveness of applications and file transfer times.

### ➤ Innovative energy saving design

ES420 uses a fanless design that reduces power consumption and noise.

The ES420 can adjust power output for transmissions based on the cable length and set ports that are transmitting no traffic to sleep mode.

### ➤ Management and maintenance

The ES420-28 is easy to manage and maintain and comes with one-key operation button on the front panel.

Web-managed ES420-28 models come with a web network management system, making it easy to configure switches.

### ➤ Enhanced Security

The ES420-28 provides a range of security features, including 802.1x, RADIUS and NAC. The ES420-28 also supports packet filtering based on MAC addresses or ports and port isolation to defend against hacker and virus attacks.

### ➤ Continuous Availability

The ES420-28 provides static LACP, STP, RSTP, functions to implement link aggregation and backup.

## ■ Specifications

Item	ES420-28
Ports	24x10/100/1000 Base-T with 4 Gigabits SFP port
<b>Performance</b>	
Switching Capacity	56Gbps
Forwarding Rate	42Mpps
MAC ADDRESS	8k
Queues per port	4
VLAN TABLE	256
<b>Main Features</b>	

<b>Forwarding</b>	Storage and forwarding
<b>Port Support</b>	IEEE802.3(10Base-T) IEEE802.3u(100Base-TX) IEEE802.3z ( 1000BASE-X ) IEEE802.3ab ( 1000Base-T ) Virtual Cable Test
<b>LLDP</b>	Support
<b>Spanning Tree</b>	802.1D (STP), 802.1W (RSTP)
<b>Multicast</b>	IGMP Snooping V1/V2 with 256 groups
<b>QoS</b>	4 hardware queues per port support DSCP, 802.1P support WRR/SP,
<b>VLAN Type</b>	Port based VLAN Trunk port Hybrid port Voice VLAN
<b>Bandwidth Management</b>	64Kbps
<b>Link aggregation</b>	12 groups, 8 ports per group
<b>IEEE802.1x</b>	base Port authentication by radius
<b>Broadcast storm control</b>	Supports control and can set rate for broadcast
<b>Management</b>	
<b>One-key restoration</b>	support
<b>Web system</b>	support
<b>DHCP client</b>	support
<b>Syslog</b>	Supports
<b>Port Mirror</b>	N:1 or 1:1
<b>Physical</b>	<b>ES420-28</b>
<b>Dimension (WxHxD)</b>	442x220x43.6 mm
<b>Power Supply</b>	AC: 100 V~240 V 50/60 Hz
<b>Power Consumption</b>	< 20W
<b>Temperature</b>	Working 0°C~45°C
<b>Relative Humidity</b>	5%~95%, non-condensing

■ **Warranty**

Limited Life Time

■ **Ordering information**

Product	Description
ES420-28	L2 1000M copper switch, 24*10/100/1000M ports +4 gigabits SFP ports

\* On MOQ request.

■ **Connect us**

For more detail information about DCN product, contact:

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