

# Twoja Infrastruktura IT

## netf.pl

NETF, specjalizujemy się w sprzedaży zaawansowanej infrastruktury IT. Znajdą tu Państwo szeroki asortyment produktów od czołowych światowych producentów sprzętu i oprogramowania IT, w tym H3C, Huawei, Cisco, Juniper, Fortinet, a także Dell, IBM, CommVault i ESET. Dzięki współpracy z tymi renomowanymi partnerami, NETF zapewnia swoim klientom dostęp do najnowocześniejszych rozwiązań technologicznych.

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**Bezpieczeństwo,  
Efektywność,  
Optymalizacja**





# H3C ES4200 Gigabit Switch Series

Release Date: May, 2024



New H3C Technologies Co., Limited

## Product Overview

H3C ES4200 series is the latest development of Gigabit speed managed Ethernet switch. Besides high-performance access, it also offers abundant security access policy control and enhanced network manageability and maintenance. This makes it ideal for network construction on industries such as government, small to midsize enterprise, school, and hotel.

H3C ES4200 series Ethernet switch includes the following models:

- ES4200-4P2RS: 4\*10/100/1000BASE-T(PoE+) Ports and 2\*100M/1000BASE-X SFP(PoE In) Port
- ES4200-8T2RS: 8\*10/100/1000BASE-T Ports and 2\*1000BASE-X SFP(PoE In) Ports
- ES4200-8P2RS: 8\*10/100/1000BASE-T(PoE+) Ports and 2\*1000BASE-X SFP(PoE In) Ports
- ES4200-16T2RX: 16\*10/100/1000BASE-T Ports and 2\*1G/10G SFP Plus(PoE In) Ports
- ES4200-16P2RS: 8\*10/100/1000BASE-T Ports, 8\*10/100/1000BASE-T(PoE+) Ports, 2\*100M/1000BASE-X SFP(PoE In) Ports



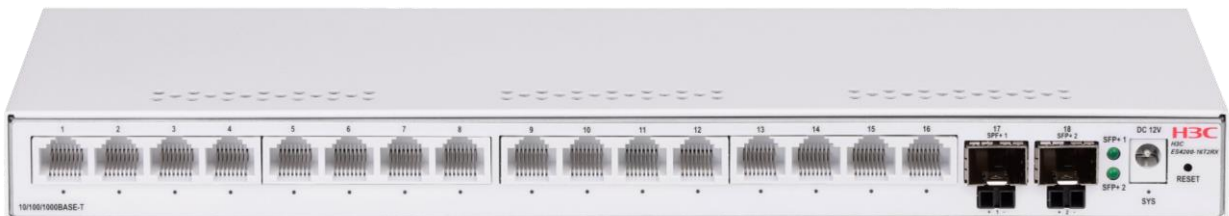
ES4200-4P2RS



ES4200-8T2RS



ES4200-8P2RS



ES4200-16T2RX



ES4200-16P2RS

## Features

### Multi-type port access

- Ethernet fiber port and copper port capability offers customers flexibility.
- Offers 4-port PoE, 8-port non-PoE and PoE, 16-port non-PoE and PoE switches and all ports support line-rate forward.
- Easy to install and use.

### Comprehensive security control policies

- Support ARP Detection, which can prevent hack or ARP attack.
- Support IP Source Guard, which can prevent illegal IP/MAC address spoof and DOS attack.
- Support DHCP Snooping, which can prevent illegal DHCP server.
- Support port security features, which can prevent MAC-based attack and MAC address permit/limit flow.
- Support 802.1X and MAC authentication, client software version detection, Guest VLAN, agent detection and dual NIC detection with iMC.

### Enhanced service capabilities

- Support speed limit on port and flow and multiple granular management tools.
- Supports flexible queue scheduling algorithms, including SP (Strict Priority), WRR (Weighted Round Robin) and SP+WRR.
- Support rich IPV6 services and multiple IPV6 manage tools.

### Professional surge protection function

The ES4200 series switches use professional built-in surge protection technology and support the industry-leading 6KV service port surge protection capability, which greatly reduces the damage rate of surge strikes to equipment even in harsh working environments.

### Green features

Energy saving design greatly reduces device power consumption and trouble spots. Radiation is reducing to

reach standard for household electrical appliances and is harmless to human.

The ES4200 series switches are also compliant with material environmental protection and the EU RoHS safety standard.

## Specifications

Features	ES4200-4P2RS	ES4200-8T2RS	ES4200-8P2RS	ES4200-16T2RX	ES4200-16P2RS
Switching capacity	15Gbps	20Gbps	20Gbps	36Gbps	36Gbps
Packet forwarding rate	12Mpps	15Mpps	15Mpps	27Mpps	27Mpps
10/100/1000 Base-T port	4	8	8	16	16
SFP port	2	2	2	-	2
SFP Plus port	-	-	-	2	-
PoE+	Y	-	Y	-	Y(8 ports)
Copper port features	Half-duplex, full-duplex, auto-negotiation				
	MDI/MDI-X				
Ethernet functions	LLDP				
	Static MAC configuration				
	MAC address learning limit				
	Port mirror and flow mirror				
	Link aggregation (up to 8 ports per group)				
	Port isolation				
	STP/RSTP/MSTP				
	IEEE 802.3ad (Dynamic link aggregation) , static port aggregation				
VLAN	802.1Q ( up to 4K VLAN)				
	Protocol-based VLAN				
	IP subnet based VLAN				
	MAC based VLAN				
	GUEST VLAN				
IP routing	Static routing				
DHCP	DHCP Relay				



Features	ES4200-4P2RS	ES4200-8T2RS	ES4200-8P2RS	ES4200-16T2RX	ES4200-16P2RS
	DHCP Client				
	DHCP Snooping				
	DHCP Snooping Option82				
Broadcast	IGMP V1/V2/V3 Snooping				
QoS	Diff-Serv QoS				
	WRR/HQ-WRR				
	802.1p, DSCP priority mapping				
	Directional port speed limit				
ACL	ACL on layer 2, layer 3 and layer 4				
	ACL on IPv4, IPv6				
	VLAN ACL				
IPv6	IPv6 static routing, dual-stack				
	DHCPv6 Client, DHCPv6 Snooping				
	ND, PMTU				
	IPv6 Ping, IPv6 Telnet, IPv6 SSHv2, IPv6 domain name resolution				
Reliability	Hot patch, in-service patch upgrade				
Security	Hierarchical user management and password protection				
	SSHv2				
	SSL				
	Specific IP address based FTP logging and password mechanism				
	Prevent attack from ARP, unknown multicast packet, broadcast packet, unknown unicast packet, TTL=1 packet and protocol packet				
	Prevent Dos attack				
	IP + MAC+PORT+VLAN binding				
	IEEE 802.1x				
	SAVI source address validity authentication				
	Radius, HWTACACS				
	SNMPv3				
	Broadcast suppression				
	Prevent CPU attack				

Features	ES4200-4P2RS	ES4200-8T2RS	ES4200-8P2RS	ES4200-16T2RX	ES4200-16P2RS
System management	Console/AUX Modem/Telnet/SSH2.0/CLI				
	Loading and upgrading through FTP/TFTP/Xmodem/SFTP				
	SNMP V1/V2c/V3				
	NTP				
	System log				
	Cluster management				
Environment temperature	Operating temperature: -5°C~45°C				
	Storage temperature: -40°C~70°C				
Environment humidity	Operating humidity: 5%~95% , non-condensing				
	Storage humidity: 5%~95% , non-condensing				
Environment protection	RoHs, EEE				
Power consumption	MIN: Adapter: 2.5W PoE input: 2.8W	MIN: Adapter: 3W PoE input: 4W	MIN: Adapter: 4W PoE input: 4W	MIN: Adapter: 6.6W PoE input: 7.8W	MIN: Adapter: 4.9W PoE input: 5.4W
	MAX: Adapter: 64.4W PoE input: 65.6W	MAX: Adapter: 6W PoE input: 7W	MAX: Adapter: 133W PoE input: 77W	MAX: Adapter: 16.2W PoE input: 16.7W	MAX: Adapter: 136.9W PoE input: 75.6W
MTBF(Year)	99.61	96.47	69.74	52.98	62.58
MTTR(Hour)	1	1	1	1	1
Weight	≤0.4kg	≤0.6kg	≤0.6kg	≤0.8kg	≤1.2kg
Input voltage range	AC: 90V ~ 264V AC, 47/63Hz; (Adapter) DC: 44V~57V;				
Dimensions (W × D × H)	170*135*35mm	210*135*35mm	210*135*35mm	295*90*27mm	200*190*44mm

## Ordering Information

Product ID	Product Description
LS-ES4200-4P2RS-GL	H3C ES4200-4P2RS L2 Ethernet Switch with 4*10/100/1000BASE-T PoE+ Ports and 2*100M/1G SFP PoE IN Port, Without Power Supplies
LS-ES4200-8T2RS-GL	H3C ES4200-8T2RS L2 Ethernet Switch with 8*10/100/1000BASE-T Ports and 2*100M/1G SFP PoE IN Ports, Without Power Supplies



Product ID	Product Description
LS-ES4200-8P2RS-GL	H3C ES4200-8P2RS L2 Ethernet Switch with 8*10/100/1000BASE-T PoE+ Ports and 2*100M/1G SFP PoE IN Ports, Without Power Supplies
LS-ES4200-16T2RX-GL	H3C ES4200-16T2RX L2 Ethernet Switch with 16*10/100/1000BASE-T Ports and 2*1G/10G SFP+ PoE IN Ports, Without Power Supplies
LS-ES4200-16P2RS-GL	H3C ES4200-16P2RS L2 Ethernet Switch with 8*10/100/1000BASE-T Ports, 8*10/100/1000BASE-T PoE+ Ports, 2*100M/1G SFP PoE IN Ports, Without Power Supplies
<b>Transceivers and Accessories</b>	
SFP-GE-LX-SM1310-F	1000BASE SFP All-Optical 3.0 Optical Transceiver Module (1310nm,10km,SM,LC)
SFP-2.5G-LX10-SM1310-DR-I-F	2.5G/1G SFP All-Optical 3.0 Industrial Temperature Optical Transceiver Module (-40°C to 85°C,1310nm,10km,SM,LC)
SFP-XG-LX-SM1310-F	10G SFP+ All-Optical 3.0 Optical Transceiver Module (1310nm,10km,SM,LC)
PoE-PoDLC-ODF-1.5m-L	3.0 Fiber PoE Connector Pigtail A-PoDLC/PC-ODF-1.5m,Single Mode
<b>Power Adapter</b>	
LSAM1POE135W-GL	H3C 135W Power Adapter (For ES4200-16P2RS)
LSAM1POE80W-GL	H3C 80W Power Adapter (For ES4200-4P2RS,ES4200-8P2RS)
LSSES4218W-GL	H3C 18W Adapter for Overseas, For S1600V2&ES4200 Series Switches (For ES4200-16T2RX)
LSAM1POE12W	H3C 12W Power Adapter (For ES4200-8T2RS)

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