



# H3C S1200 Unmanaged Gigabit Ethernet Switch Series

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New H3C Technologies Co., Limited

# H3C S1200 Unmanaged Gigabit Ethernet Switch Series

## Product overview

H3C S1200 is self-developed unmanaged Gigabit switch series by H3C, which delivers wire-speed Gigabit Ethernet connectivity, in desktop and rack-mount models, for small business and others looking for plug-and-play basic layer-2 connectivity for their network. The S1200 Switch series includes seven Gigabit Ethernet switches. All have 10/100/1000 ports for affordable Gigabit connections using copper Cat 5e cabling. There are some models for 5-port with PoE or non-PoE. There are also 16-port and 24-port RJ45-only models. There is a 24-port model with two SFP Gigabit ports, ideal where long distances require fiber-based connections. Another 24-port model supports IEEE 802.3at PoE+ on 12 of its ports, able to forward up to 30W power on these ports to power Access Points, IP phones, IP cameras, and other PoE-enabled devices. For cost-effective high-speed fiber-based server connections, there is a 24-port 10/100/1000 switch with two SFP+ 10-Gigabit uplink ports.

- ✦ S1205: 5-port 10/100/1000 autosensing Ethernet ports, US/EU/UK/TH standard power adaptor;
- ✦ S1205-PWR: 5-port 10/100/1000 autosensing Ethernet ports supporting Power over Ethernet(POE);
- ✦ S1216:16-port 10/100/1000 autosensing Ethernet ports;
- ✦ S1224: 24-port 10/100/1000 autosensing Ethernet ports;
- ✦ S1224-PWR: 24-port 10/100 autosensing Ethernet ports supporting Power over Ethernet(POE);
- ✦ S1224F: 24-port 10/100/1000 autosensing Ethernet ports, 2 SFP uplinks;
- ✦ S1224P-X: 24-port 10/100/1000 autosensing Ethernet ports, 2 SFP+ uplinks;



S1205 Switch



S1205-PWR Switch



S1216 Switch



S1224 Switch



S1224-PWR Switch



S1224P-X Switch



S1224F Switch

## Highlight features

### Ease of use

- Unmanaged provides plug-and-play simplicity
- Auto-speed negotiation

Selects individual port speed automatically, depending on client capabilities; removing the need for manual intervention enables simple plug-and-play operation.

- Comprehensive LED display with per-port indicators

Provides an at-a-glance view of the status, activity, speed, and full-duplex operation of the switches.

- Flow control

Helps ensure reliable communications during full-duplex operation.

- IEEE Auto-MDIX

Automatically adjusts for straight-through or crossover cables on all RJ-45 ports.

## Connectivity

- Gigabit Ethernet 10/100/1000 Connectivity

Supports high-speed Ethernet connections over highly affordable copper Category 5e cabling.

- 10-Gigabit fiber connectivity

Future-proof 10-Gigabit technology allows high-speed fiber connection to servers or other switches, with connection flexibility using optional SFP+ or SFP transceivers.

- IEEE 802.3at Power over Ethernet (PoE+)

Provides up to 30W per port, which allows support of the latest PoE+-capable devices such as IP phones, wireless access points, and security cameras, as well as any IEEE 802.3af compliant end device; reduces the cost of additional electrical cabling and circuits that would otherwise be necessary in IP phone and WLAN deployments (for PoE model).

## Performance

- Energy-efficient Ethernet support

Supports new IEEE 802.3az standard; and allows lower power consumption, when operated with IEEE-compliant client devices in 100 Mb/s mode only.

- Half-/full-duplex auto-negotiating capability on every port

Doubles the throughput of every port.

- Jumbo frame support

Allows frames up to 9,216 bytes to be switched through the network.

## Flexibility

- Fanless design

Enables quiet operation for deployment in open spaces.

- Internal power supply

Delivers operational convenience and an environment suitable for business operations.

## Quality of Service (QoS)

- IEEE 802.1p prioritization

Delivers data to devices, based on the priority and type of traffic.

- DiffServ Code Point (DSCP) support

Allows real-time traffic prioritization, based on L3 TOS/DSCP parameters.

## Warranty

See <http://www.h3c.com> for warranty and support information included with your product purchase.

## Technical Specifications

	S1224	S1224-PWR	S1224F	S1224P-X
<b>Dimensions</b>	17.32(w) x 6.81(d) x 1.73(h) in (44 x 17.3 x 4.4 cm) (1U height)	17.32(w) x 9.37(d) x 1.73(h) in (44 x 23.8 x 4.4 cm) (1U height)	17.32(w) x 6.81(d) x 1.73(h) in (44 x 17.3 x 4.4 cm) (1U height)	17.32(w) x 9.37(d) x 1.73(h) in (44 x 23.8 x 4.4 cm) (1U height)
<b>Fixed ports</b>	24×10/100/1000 Base-T Ethernet ports	24×10/100/1000 Base-T Ethernet ports	24×10/100/1000 Base-T Ethernet ports 2 fixed 100/1000 BASE-X SFP ports	24×10/100/1000 Base-T Ethernet ports 2 fixed 1000/10000 SFP+ ports
<b>Memory and processor</b>	1 MB flash; Packet buffer size: 4Mb	1 MB flash; Packet buffer size: 4 Mb	1 MB flash; Packet buffer size: 4 Mb	8 MB flash; Packet buffer size: 12 Mb
<b>Mounting and enclosure</b>	Mounts in an EIA standard 19-inch telco rack (hardware included); Desktop mounting			
<b>Throughput</b>	up to 35.7 Mpps (64-byte packets)	up to 35.7 Mpps (64-byte packets)	up to 38.7 Mpps (64-byte packets)	up to 65.5 Mpps (64-byte packets)
<b>Switching capacity</b>	48 Gbps	48 Gbps	52 Gbps	88 Gbps
<b>MAC address table size</b>	8192 entries	8192 entries	8192 entries	16384 entries
<b>Environment</b> -Operating temperature -Operating relative humidity - Nonoperating/Storage temperature - Nonoperating/Storage relative humidity -Altitude -Acoustic	<ul style="list-style-type: none"> <li>☉ 32°F to 104°F (0°C to 40°C)</li> <li>☉ 5% to 95%, noncondensing</li> <li>☉ -40°F to 158°F (-40°C to 70°C)</li> <li>☉ 5% to 95%, noncondensing</li> <li>☉ up to 16,404 ft (5 km)</li> <li>☉ Power: 0 dB No fan</li> </ul>			
<b>Electrical characteristics</b> Frequency Voltage Current Maximum power rating	50/60 Hz 100—240 VAC, rated 0.3 A 16 W	50/60 Hz 100—240 VAC, rated 0.3/1.8 A 160 W 124 W PoE+	50/60 Hz 100—240 VAC, rated 0.3 A 18 W	50/60 Hz 100—240 VAC, rated 0.4 A 21 W

	S1205	S1205-PWR	S1216
<b>Dimensions</b>	4.52(w) x 3.18(d) x 1.06(h) in (11.48 x 8.08 x 2.69 cm)	6.21(w) x 4.13(d) x 1.06(h) in (15.77 x 10.49 x 2.69 cm)	10.47(w) x 6.38(d) x 1.73(h) in (26.6 x 16.2 x 4.4 cm) (1U height)
<b>Fixed ports</b>	5×10/100/1000 Base-T Ethernet ports	5×10/100/1000 Base-T Ethernet ports	16×10/100/1000 Base-T Ethernet ports
<b>Memory and processor</b>	Packet buffer size: 1 Mb	Packet buffer size: 1 Mb	1 MB flash; Packet buffer size: 4Mb
<b>Mounting and enclosure</b>	Desktop (rear port)	Desktop (rear port)	Mounts in an EIA standard 19-inch telco rack (hardware included); Wall, desktop and under-table mounting
<b>Throughput</b>	up to 7.4 Mpps	up to 7.4 Mpps	up to 23.8 Mpps (64-byte packets)
<b>Switching capacity</b>	10 Gbps	10 Gbps	32 Gbps
<b>MAC address table size</b>	2048 entries	2048 entries	8192 entries
<b>Electrical characteristics</b>			
Frequency	DC adaptor (12V/0.5A)	DC adaptor (54V/1.12A)	50/60 Hz
Voltage			100—240 VAC, rated
Current	3W	Max 40W, 32W PoE+	0.2 A
Maximum power rating			12 W
<b>Environment</b>			
-Operating temperature	🌀 32°F to 104°F (0°C to 40°C)		
-Operating relative humidity	🌀 5% to 95%, noncondensing		
-Nonoperating/Storage temperature	🌀 -40°F to 158°F (-40°C to 70°C)		
-Nonoperating/Storage relative humidity	🌀 5% to 95%, noncondensing		
-Altitude	🌀 up to 16,404 ft (5 km)		
-Acoustic	🌀 Power: 0 dB No fan		

## Ordering Information:

Please note that S1205 series are selected according to the DC power standards of the countries in which they are installed.

Product ID	Product Description
SMB-S1216-GL	H3C S1216 Ethernet Switch(16GE,AC)
SMB-S1224-GL	H3C S1224 24-port 10/100/1000M Ethernet Switch
SMB-S1224F-GL	H3C S1224F Ethernet Switch(24GE+2SFP,AC)
SMB-S1224-P-X-GL	H3C S1224P-X Ethernet Switch(24GE+2SFP Plus,AC)
SMB-S1224-PWR-GL	H3C S1224-PWR Ethernet Switch(12GE+12GE(PoE),AC)
SMB-S1205-US-GL	H3C S1205 Ethernet Switch(5GE,DC),US Standard
SMB-S1205-EU-GL	H3C S1205 Ethernet Switch(5GE,DC),European Standard
SMB-S1205-UK-GL	H3C S1205 Ethernet Switch(5GE,DC),UK Standard
SMB-S1205-TH-GL	H3C S1205 Ethernet Switch(5GE,DC),Thailand Standard
SMB-S1205-PWR-GL	H3C S1205-PWR Ethernet Switch(5GE+PoE(32W),DC)



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### New H3C Technologies Co., Limited

Beijing Headquarters  
Tower 1, LSH Center, 8 Guangshun South Street, Chaoyang  
District, Beijing, China  
Zip: 100102  
Hangzhou Headquarters  
No.466 Changhe Road, Binjiang District, Hangzhou, Zhejiang,  
China  
Zip: 310052  
Tel: +86-571-86760000

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