S5735-L24T4S-A

Version Mapping

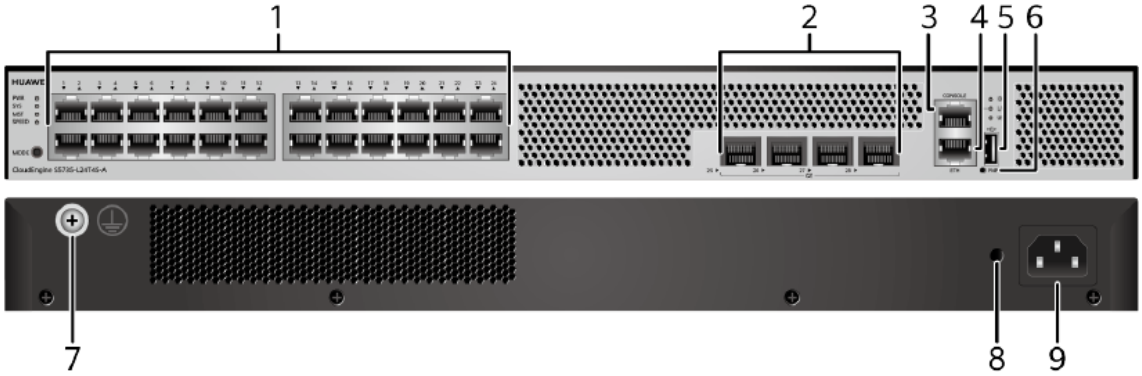
Table 4-1140 lists the mapping between the S5735-L24T4S-A chassis and software versions.

Table 4-1140 Version mapping

Series	Model	Software Version
S5735-L	S5735-L24T4S-A	V200R019C00 to V200R024C00 versions **NOTE:** V200R021C01 is not supported.

Appearance and Structure

Figure 4-452 S5735-L24T4S-A appearance



1	Twenty-four 10/100/1000BASE-T ports	2	Four 1000BASE-X ports Applicable modules: • FE optical module (applicable in V200R021C00 and later versions) • GE optical module • GE-CWDM optical module • GE-DWDM optical module • GE copper module • 10GE SFP+ optical module (only used for stack connection, a maximum transmission distance of 0.4 km, OSXD22N00 not supported, applicable in

			V200R019C10 and later versions) • 1 m and 3 m SFP+ high-speed copper cables (only used for stack connection, applicable in V200R019C10 and later versions) • 3 m and 10 m SFP+ AOC cables (only used for stack connection, applicable in V200R019C10 and later versions) • 0.5 m and 1.5 m SFP+ dedicated stack copper cables (used for zero-configuration stacking, applicable in V200R019C10 and later versions)
3	One console port	4	One ETH management port
5	One USB port	6	One PNP button **NOTICE:** To restore the factory settings and reset the switch, hold down the button for at least 6 seconds. To reset the switch, press the button. Resetting the switch will cause service interruption. Exercise caution when you press the PNP button.
7	Ground screw **NOTE:** It is used with a ground cable.	8	Jack for AC power cable locking strap **NOTE:** The AC power cable locking strap is not delivered with the switch.
9	AC socket	-	-

	NOTE: It is used with an AC power cable.		

Port Description

10/100/1000BASE-T port

A 10/100/1000BASE-T Ethernet electrical port sends and receives service data at 10/100/1000 Mbit/s, and must use an Ethernet cable. Table 4-1141 describes the attributes of a 10/100/1000BASE-T Ethernet electrical port.

Table 4-1141 Attributes of a 10/100/1000BASE-T Ethernet electrical port

Attribute	Description
Connector type	RJ45
Standards compliance	IEEE802.3, IEEE802.3u, IEEE802.3ab
Working mode	10/100/1000 Mbit/s auto-sensing
Maximum transmission distance	100 m

1000BASE-X port

When a 1000BASE-X port uses a GE optical module, it can only transmit and receive data at 1000 Mbit/s and does not support the 100 Mbit/s transmission speed. When a 1000BASE-X port uses a FE optical module, it can transmit and receive data at 100 Mbit/s. When a 1000BASE-X port uses a GE copper module, it can transmit and receive data at 10 Mbit/s, 100 Mbit/s, or 1000 Mbit/s. Table 4-1142 describes the attributes of a 1000BASE-X Ethernet optical port.

Table 4-1142 Attributes of a 1000BASE-X Ethernet optical port

Attribute	Description
Connector type	LC/PC
Optical port attributes	Depend on the module used
Standards compliance	IEEE802.3z

Console port

The console port is connected to a console for on-site configuration. The port must use a console cable. The console port is used when a switch is powered on for the first time. For details about the attributes of a console port, see Table 4-1143.

Table 4-1143 Attributes of a console port

Attribute	Description
Connector type	RJ45
Standards compliance	RS-232
Working mode	Duplex Universal Asynchronous Receiver/Transmitter (UART)
Baud rate	9600 bit/s, 19200 bit/s, 38400 bit/s, 57600 bit/s, or 115200 bit/s Default value: 9600 bit/s

ETH management port

You can connect a switch to a configuration terminal or network management workstation through the ETH management port to configure the switch locally or remotely. The port must use an Ethernet cable. You can choose to download the software package through the ETH management port in the BootLoad menu. File transfer through the ETH management port is faster than transfer through the console port. Table 4-1144 describes the attributes of an ETH management port.

Table 4-1144 Attributes of an ETH management port

Attribute	Description
Connector type	RJ45
Standards compliance	IEEE802.3
Working Mode	10/100 Mbit/s auto-sensing
Maximum transmission distance	100 m

In V200R012C00 and later versions, you can log in to the switch that contains the ETH management port for the first time through the ETH port. For details, see "First Login to a Switch" in the *Configuration Guide - Basic Configuration*. If you have logged in to the switch for

the first time by pressing and holding the MODE button for 6 seconds or longer and saved the configuration, the default configuration on the ETH port will be cleared. In this case, you cannot log in to the switch for the first time through the ETH port. You are advised to log in to the switch for the first time through the ETH port.

USB port

The USB port can have a USB flash drive connected to upgrade the switch, or transfer configuration files or other files. The USB port can only connect to a USB flash drive that complies with USB 2.0.

NOTE

USB flash drives from different vendors differ in model compatibility and drivers. If a USB flash drive cannot be used, try to replace it with another one from a mainstream vendor. Switches support a maximum of 128 GB USB flash drives.

Indicator Description

The S5735-L24T4S-A has similar indicators to those on the S5735-L12P4S-A except that the S5735-L24T4S-A does not have a PoE mode indicator. For details, see Indicator Description.

Power Supply Configuration

The S5735-L24T4S-A has a built-in AC power module and does not support pluggable power modules.

Heat Dissipation

The S5735-L24T4S-A has no fans and uses natural heat dissipation.

Technical Specifications

Table 4-1145 lists technical specifications of the S5735-L24T4S-A.

Table 4-1145 Technical specifications

Item	Description
Memory (RAM)	1 GB
Flash	512 MB in total. To view the available flash memory size, run the **display version** command.
Mean time between failures (MTBF)	111.94 years
Availability	> 0.99999

Item	Description
Service port surge protection	Common mode: ±7 kV
Power supply surge protection	±6 kV in differential mode, ±6 kV in common mode
Dimensions (H x W x D)	• Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 220.0 mm (1.72 in. x 17.4 in. x 8.7 in.) • Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from the rear panel): 43.6 mm x 442.0 mm x 227.0 mm (1.72 in. x 17.4 in. x 8.94 in.)
Weight (with packaging)	4.08 kg (9 lb)
Stack ports	Any 10/100/1000BASE-T ports or 1000BASE-X ports (applicable in V200R019C10 and later versions)
RTC	Not supported
RPS	Not supported
PoE	Not supported
Rated voltage range	• AC input: 100 V AC to 240 V AC, 50/60 Hz • High-Voltage DC input: 240 V DC
Maximum voltage range	• AC input: 90 V AC to 264 V AC, 47 Hz to 63 Hz • High-Voltage DC input: 190 V DC to 290 V DC
Maximum power consumption (100% throughput)	34 W

Item	Description
Typical power consumption (30% of traffic load) • Tested according to ATIS standard • EEE enabled • No PoE power consumption	28 W
Operating temperature	-5°C to +45°C (23°F to 113°F) at an altitude of 0-1800 m (0-5906 ft.) **NOTE:** When the altitude is 1800-5000 m (5906-16404 ft.), the highest operating temperature reduces by 1°C (1.8°F) every time the altitude increases by 220 m (722 ft.). The switch cannot be started when the ambient temperature is lower than 0°C (32°F). The operating temperature of the switch is -5°C to +40°C (23°F to 104°F) when it uses GE SFP optical modules with 40 km or longer transmission distance. When SFP+ copper cables or dedicated stack cables are used to set up a stack, the switch can operate in the following temperature range: • -5°C to +45°C (23°F to 113°F) (installed in the ventilation cabinet, with the wind speed of at least 40 LFM) When SFP+ AOC cables or 10GE SFP+ optical modules are used to set up a stack, the switch can operate in the following temperature range: • -5°C to +45°C (23°F to 113°F) (installed in the ventilation cabinet shipped with fans with a fan speed of at least 200 LFM)
Storage temperature	-40°C to +70°C (-40°F to +158°F)

Item	Description
Noise under normal temperature (27°C, sound power)	Noise-free (no fans)
Relative humidity	5% to 95%, noncondensing
Operating altitude	0-5000 m (0-16404 ft.)
Certification	• EMC certification • Safety certification • Manufacturing certification
Part number	98010914