

4 Chassis

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4.1 Chassis Overview

Huawei S380 series devices are integrated with the routing and switching functions.

4.2 Naming Conventions

Figure 4-1 S380 naming conventions

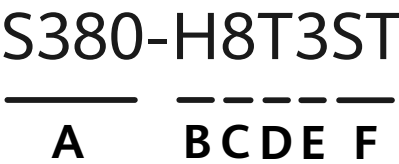


Table 4-1 S380 naming convention description

Identifier	Description
A	Product series (4 characters) S380: S380 series

Identifier	Description
B	Level type (1 character) • H: high-level • S: standard • L: lightweight
C	Number of downlink ports (1 or 2 characters)
D	Downlink port type (1 or 2 characters) • T: GE electrical port • P: GE electrical port, supporting PoE+
E	Number of uplink ports (1 character)
F	Uplink port type (1 or 2 characters) • T: GE electrical port • S: GE optical port • ST: GE optical port and GE electrical port

4.3 S380

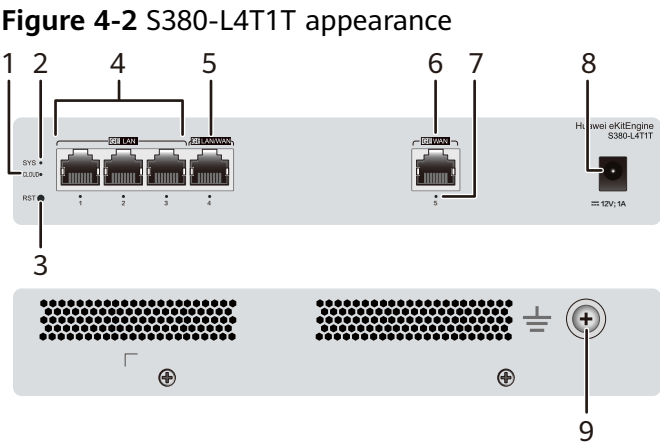
4.3.1 S380-L4T1T

Overview

Table 4-2 Basic information about the S380-L4T1T

Item	Details
Description	S380-L4T1T, 1*GE WAN, 4*GE LAN
Part Number	98012177
Model	S380-L4T1T
First supported version	V600R022C10

Components



1	CLOUD indicator	2	SYS indicator
3	One RST button NOTICE To restore the factory settings and reset the device, hold down the button for at least 6 seconds. To reset the device, press the button. Resetting the device will cause service interruption. Exercise caution when you press the button.	4	Three GE LAN electrical ports
5	One GE LAN/WAN electrical port	6	One GE WAN electrical port
7	Port indicator	8	Power adapter socket NOTE Use the power adapter (12 V 1 A) delivered with the device.
9	Ground screw	-	-

Ports

Table 4-3 Ports on the S380-L4T1T

Port	Connector Type	Description	Available Components
GE LAN electrical port	RJ45	A GE LAN electrical port sends and receives LAN service data at 10/100/1000 Mbit/s.	Ethernet cable
GE WAN electrical port	RJ45	A GE WAN electrical port sends and receives WAN service data at 10/100/1000 Mbit/s.	Ethernet cable
GE LAN/WAN electrical port	RJ45	A GE LAN/WAN electrical port sends and receives LAN or WAN service data at 10/100/1000 Mbit/s.	Ethernet cable

Indicators and Buttons

Table 4-4 Description of indicators on the device

Indicator	Name	Color	Status	Description
SYS	System status indicator	-	Off	The system is not running or is in the reset state.
		Green	Fast blinking	The system is in the power-on loading or reset startup state.
		Green	Slow blinking	The system is running normally.

Indicator	Name	Color	Status	Description
		Green	Steady on	During the system startup preparation phase, the SYS indicator is steady green, which lasts for a maximum of 15 seconds.
		Red	Steady on	The device cannot be started or the power supply is faulty.
Cloud	Cloud indicator	-	Off	The WAN port does not obtain an IP address.
		Blue	Steady on	The network is connected, and the WAN port obtains an IP address. NOTE This function is available in V600R023C00 and later versions. In V600R022C10, the indicator is still off when the WAN port obtains an IP address.
		Blue	Fast blinking	The device is connecting to the cloud.
		Blue	Slow blinking	The device is in the cloud management state.
-	Port indicator	-	Off	The port is not connected or has been shut down.
		Green	Steady on	A link has been established on the port. NOTE During device startup, all port indicators are steady green for about 2 seconds and then off, indicating that service initialization is complete.
		Green	Blinking	The port is sending or receiving data.

Power Supply System

The device is powered by the power adapter delivered with the device.

Heat Dissipation System

The device has no fans and uses natural heat dissipation.

Technical Specifications

Table 4-5 Technical specifications of the S380-L4T1T

Item	Specification
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 35.0 mm x 210.0 mm x 130.0 mm (1.38 in. x 8.27 in. x 5.12 in.) Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from the rear panel): 35.0 mm x 210.0 mm x 136.3 mm (1.38 in. x 8.27 in. x 5.37 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	90.0 mm x 285.0 mm x 180.0 mm (3.54 in. x 11.22 in. x 7.09 in.)
Chassis height [U]	0.8 U
Chassis material	Metal
Weight without packaging [kg(lb)]	0.8 kg (1.76 lb)
Weight with packaging [kg(lb)]	1.0 kg (2.2 lb)
Typical power consumption [W]	5.99 W
Typical heat dissipation [BTU/hour]	27.3 BTU/hour
Maximum power consumption [W]	6.11 W
Maximum heat dissipation [BTU/hour]	30.7 BTU/hour
Static power consumption [W]	4.25 W
MTBF [years]	77.35 years
MTTR [hours]	2 hours
Availability	> 0.99999
Noise at normal temperature (acoustic power) [dB(A)]	Noise-free (no fans), < 30
Noise at normal temperature (acoustic pressure) [dB(A)]	Noise-free (no fans), < 20
Number of card slots	0
Number of power slots	0
Number of fans modules	0
WAN ports	1 x GE WAN
LAN ports	4 x GE LAN

Item	Specification
Redundant power supply	Not supported
Long-term operating temperature [°C(°F)]	0°C to 40°C (32°F to 104°F) at an altitude of 0-1800 m (0-5906 ft.)
Restriction on the operating temperature variation rate [°C(°F)]	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.).
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% RH to 95% RH (non-condensing)
Long-term operating altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Storage altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Power supply mode	Power adapter
Rated input voltage [V]	AC input: 100-240 V AC; 50/60 Hz
Input voltage range [V]	AC input: 90 V AC to 264 V AC; 45 Hz to 65 Hz Power adapter output: 12 V DC
Maximum input current [A]	1 A
Memory	DDR4: 512 MB
Flash memory	NAND Flash: 512 MB
Console port	Not supported
Eth Management port	LAN port
USB	Not supported
RTC	Not supported
RPS input	Not supported
Service port surge protection [kV]	Common mode: ±4 kV
Power supply surge protection [kV]	Power adapter: ±6 kV in differential mode and ±6 kV in common mode
Ingress protection level (dustproof/waterproof)	IP20
Types of fans	None
Heat dissipation mode	Natural heat dissipation
Airflow direction	-

Item	Specification
PoE	Not supported
Certification	EMC certification Safety certification Manufacturing certification

4.3.2 S380-L4P1T

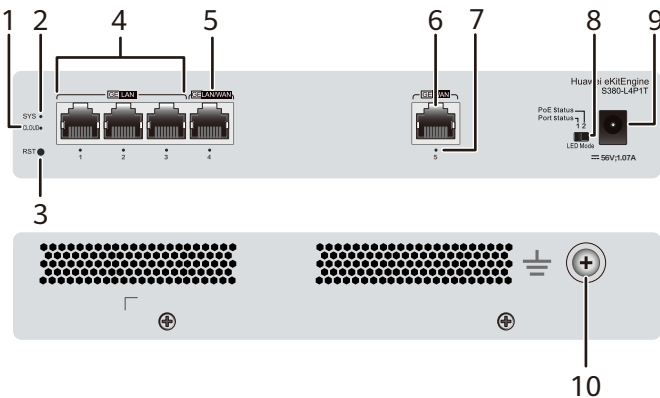
Overview

Table 4-6 Basic information about the S380-L4P1T

Item	Details
Description	S380-L4P1T, 1*GE WAN, 4*GE LAN(PoE +, 50W)
Part Number	98012178
Model	S380-L4P1T
First supported version	V600R022C10

Components

Figure 4-3 S380-L4P1T appearance



1	CLOUD indicator	2	SYS indicator
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3	One RST button NOTICE To restore the factory settings and reset the device, hold down the button for at least 6 seconds. To reset the device, press the button. Resetting the device will cause service interruption. Exercise caution when you press the button.	4	Three GE PoE+ LAN electrical ports
5	One GE PoE+ LAN/WAN electrical port	6	One GE WAN electrical port
7	Port indicator	8	Port indicator status switch button NOTE Port status: The port indicator indicates the data transmission status of the port. PoE status: The port indicator indicates the PoE status of the port.
9	Power adapter socket NOTE Use the power adapter (56 V 1.07 A) delivered with the device.	10	Ground screw

Ports

Table 4-7 Ports on the S380-L4P1T

Port	Connector Type	Description	Available Components
GE PoE+ LAN electrical port	RJ45	A GE PoE+ LAN electrical port sends and receives LAN service data at 10/100/1000 Mbit/s. The port supports PoE function.	Ethernet cable

Port	Connector Type	Description	Available Components
GE WAN electrical port	RJ45	A GE WAN electrical port sends and receives WAN service data at 10/100/1000 Mbit/s.	Ethernet cable
GE PoE+ LAN/WAN electrical port	RJ45	A GE PoE+ LAN/WAN electrical port sends and receives LAN or WAN service data at 10/100/1000 Mbit/s. The port supports PoE function.	Ethernet cable

Indicators and Buttons

Table 4-8 Description of indicators on the device

Indicator	Name	Color	Status	Description
SYS	System status indicator	-	Off	The system is not running or is in the reset state.
		Green	Fast blinking	The system is in the power-on loading or reset startup state.
		Green	Slow blinking	The system is running normally.
		Green	Steady on	During the system startup preparation phase, the SYS indicator is steady green, which lasts for a maximum of 15 seconds.
		Red	Steady on	The device cannot be started or the power supply is faulty.
Cloud	Cloud indicator	-	Off	The WAN port does not obtain an IP address.

Indicator	Name	Color	Status	Description
		Blue	Steady on	The network is connected, and the WAN port obtains an IP address. NOTE This function is available in V600R023C00 and later versions. In V600R022C10, the indicator is still off when the WAN port obtains an IP address.
		Blue	Fast blinking	The device is connecting to the cloud.
		Blue	Slow blinking	The device is in the cloud management state.
-	Port indicator (Port status)	-	Off	The port is not connected or has been shut down.
		Green	Steady on	A link has been established on the port. NOTE During device startup, all port indicators are steady green for about 2 seconds and then off, indicating that service initialization is complete.
		Green	Blinking	The port is sending or receiving data.
	Port indicator (PoE status)	-	Off	The port is not supplying PoE power.
		Green	Steady on	The port is supplying power to the connected PD.
		Green	Blinking	The PoE power of the device is insufficient, and the port cannot provide power to the PD.

Power Supply System

The device uses the power adapter delivered with the device to supply power to the device and the connected PD. The power adapter can provide 50 W PoE power, which ensures full PoE power on 3 ports in compliance with 802.3af or on 1 port in compliance with 802.3at.

Heat Dissipation System

The device has no fans and uses natural heat dissipation.

Technical Specifications

Table 4-9 Technical specifications of the S380-L4P1T

Item	Specification
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 35.0 mm x 210.0 mm x 130.0 mm (1.38 in. x 8.27 in. x 5.12 in.) Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from the rear panel): 35.0 mm x 210.0 mm x 136.3 mm (1.38 in. x 8.27 in. x 5.37 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	90.0 mm x 285.0 mm x 180.0 mm (3.54 in. x 11.22 in. x 7.09 in.)
Chassis height [U]	0.8 U
Chassis material	Metal
Weight without packaging [kg(lb)]	0.9 kg (1.98 lb)
Weight with packaging [kg(lb)]	1.1 kg (2.43 lb)
Typical power consumption [W]	7.19 W
Typical heat dissipation [BTU/hour]	24.5 BTU/hour
Maximum power consumption [W]	61.65 W (PoE: 50 W)
Maximum heat dissipation [BTU/hour]	210.4 BTU/hour
Static power consumption [W]	4.54 W
MTBF [years]	75.89 years
MTTR [hours]	2 hours
Availability	> 0.99999
Noise at normal temperature (acoustic power) [dB(A)]	Noise-free (no fans), < 30
Noise at normal temperature (acoustic pressure) [dB(A)]	Noise-free (no fans), < 20
Number of card slots	0
Number of power slots	0
Number of fans modules	0
WAN ports	1 x GE WAN
LAN ports	4 x GE LAN (50 W PoE+)

Item	Specification
Redundant power supply	Not supported
Long-term operating temperature [°C(°F)]	0°C to 40°C (32°F to 104°F) at an altitude of 0-1800 m (0-5906 ft.)
Restriction on the operating temperature variation rate [°C(°F)]	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.).
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% RH to 95% RH (non-condensing)
Long-term operating altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Storage altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Power supply mode	Power adapter
Rated input voltage [V]	Power adapter input: 100-240 V AC; 50/60 Hz Power adapter output: 56 V DC
Input voltage range [V]	Power adapter input: 90-290 V AC; 47-63 Hz
Maximum input current [A]	1.07 A
Memory	DDR4: 512 MB
Flash memory	NAND Flash: 512 MB
Console port	Not supported
Eth Management port	LAN port
USB	Not supported
RTC	Not supported
RPS input	Not supported
Service port surge protection [kV]	Common mode: ±4 kV
Power supply surge protection [kV]	Power adapter: ±6 kV in differential mode and ±6 kV in common mode
Ingress protection level (dustproof/waterproof)	IP20
Types of fans	None
Heat dissipation mode	Natural heat dissipation

Item	Specification
Airflow direction	-
PoE	Supported
Certification	EMC certification Safety certification Manufacturing certification

4.3.3 S380-S8T2T

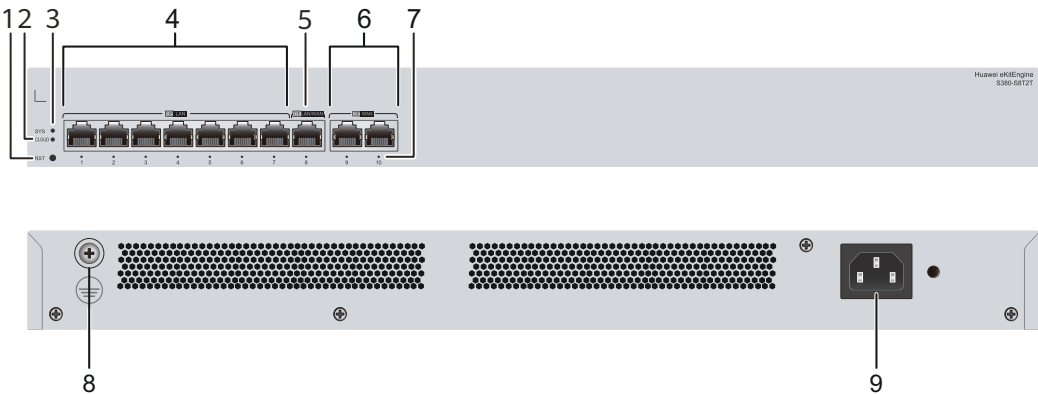
Overview

Table 4-10 Basic information about the S380-S8T2T

Item	Details
Description	S380-S8T2T, 2*GE WAN, 8*GE LAN
Part Number	98012179
Model	S380-S8T2T
First supported version	V600R022C10

Components

Figure 4-4 S380-S8T2T appearance



1	One RST button NOTICE To restore the factory settings and reset the device, hold down the button for at least 6 seconds. To reset the device, press the button. Resetting the device will cause service interruption. Exercise caution when you press the button.	2	CLOUD indicator
3	SYS indicator	4	Seven GE LAN electrical ports
5	One GE LAN/WAN electrical port	6	Two GE WAN electrical ports
7	Port indicator	8	Ground screw
9	AC socket NOTE Use the power cable delivered with the device.	-	-

Ports

Table 4-11 Ports on the S380-S8T2T

Port	Connector Type	Description	Available Components
GE LAN electrical port	RJ45	A GE LAN electrical port sends and receives LAN service data at 10/100/1000 Mbit/s.	Ethernet cable
GE WAN electrical port	RJ45	A GE WAN electrical port sends and receives WAN service data at 10/100/1000 Mbit/s.	Ethernet cable

Port	Connector Type	Description	Available Components
GE LAN/WAN electrical port	RJ45	A GE LAN/WAN electrical port sends and receives LAN or WAN service data at 10/100/1000 Mbit/s.	Ethernet cable

Indicators and Buttons

Table 4-12 Description of indicators on the device

Indicator	Name	Color	Status	Description
SYS	System status indicator	-	Off	The system is not running or is in the reset state.
		Green	Fast blinking	The system is in the power-on loading or reset startup state.
		Green	Slow blinking	The system is running normally.
		Green	Steady on	During the system startup preparation phase, the SYS indicator is steady green, which lasts for a maximum of 15 seconds.
		Red	Steady on	The device cannot be started or the power supply is faulty.
Cloud	Cloud indicator	-	Off	The WAN port does not obtain an IP address.
		Blue	Steady on	The network is connected, and the WAN port obtains an IP address. NOTE This function is available in V600R023C00 and later versions. In V600R022C10, the indicator is still off when the WAN port obtains an IP address.
		Blue	Fast blinking	The device is connecting to the cloud.

Indicator	Name	Color	Status	Description
		Blue	Slow blinking	The device is in the cloud management state.
-	Port indicator	-	Off	The port is not connected or has been shut down.
		Green	Steady on	A link has been established on the port. NOTE During device startup, all port indicators are steady green for about 2 seconds and then off, indicating that service initialization is complete.
		Green	Blinking	The port is sending or receiving data.

Power Supply System

The device is powered by the power cable delivered with the device.

Heat Dissipation System

The device has no fans and uses natural heat dissipation.

Technical Specifications

Table 4-13 Technical specifications of the S380-S8T2T

Item	Specification
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 160.0 mm (1.72 in. x 17.4 in. x 6.3 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 165.2 mm (1.72 in. x 17.4 in. x 6.5 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	90.0 mm x 550.0 mm x 260.0 mm (3.54 in. x 21.65 in. x 10.24 in.)
Chassis height [U]	1 U
Chassis material	Metal
Weight without packaging [kg(lb)]	1.6 kg (3.53 lb)

Item	Specification
Weight with packaging [kg(lb)]	2.1 kg (4.63 lb)
Typical power consumption [W]	10.4 W
Typical heat dissipation [BTU/hour]	35.5 BTU/hour
Maximum power consumption [W]	10.55 W
Maximum heat dissipation [BTU/hour]	36 BTU/hour
Static power consumption [W]	5.82 W
MTBF [years]	67.79 years
MTTR [hours]	2 hours
Availability	> 0.99999
Noise at normal temperature (acoustic power) [dB(A)]	Noise-free (no fans), < 30
Noise at normal temperature (acoustic pressure) [dB(A)]	Noise-free (no fans), < 20
Number of card slots	0
Number of power slots	0
Number of fans modules	0
WAN ports	2 x GE WAN
LAN ports	8 x GE LAN
Redundant power supply	Not supported
Long-term operating temperature [°C(°F)]	0°C to 40°C (32°F to 104°F) at an altitude of 0-1800 m (0-5906 ft.)
Restriction on the operating temperature variation rate [°C(°F)]	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.).
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% RH to 95% RH (non-condensing)
Long-term operating altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Storage altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Power supply mode	AC built-in
Rated input voltage [V]	AC input: 100-240 V AC; 50/60 Hz

Item	Specification
Input voltage range [V]	AC input: 90 V AC to 264 V AC; 45 Hz to 65 Hz
Maximum input current [A]	0.8 A
Memory	DDR4: 512 MB
Flash memory	NAND Flash: 512 MB
Console port	Not supported
Eth Management port	LAN port
USB	Not supported
RTC	Not supported
RPS input	Not supported
Service port surge protection [kV]	Common mode: ± 4 kV
Power supply surge protection [kV]	Power adapter: ± 6 kV in differential mode and ± 6 kV in common mode
Ingress protection level (dustproof/waterproof)	IP20
Types of fans	None
Heat dissipation mode	Natural heat dissipation
Airflow direction	-
PoE	Not supported
Certification	EMC certification Safety certification Manufacturing certification

4.3.4 S380-S8P2T

Overview

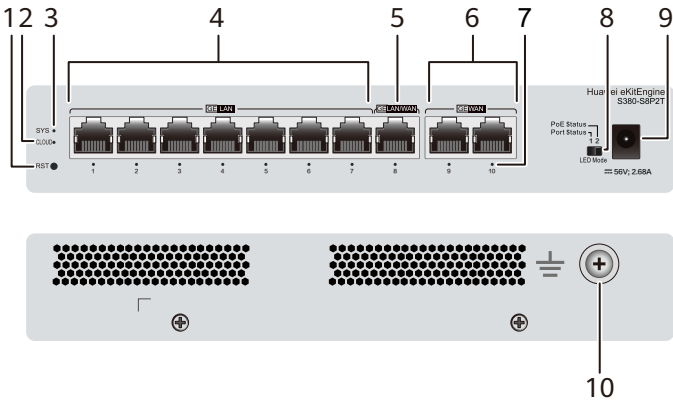
Table 4-14 Basic information about the S380-S8P2T

Item	Details
Description	S380-S8P2T, 2*GE WAN, 8*GE LAN(PoE +, 124W)
Part Number	98012180

Item	Details
Model	S380-S8P2T
First supported version	V600R022C10

Components

Figure 4-5 S380-S8P2T appearance



1	One RST button NOTICE To restore the factory settings and reset the device, hold down the button for at least 6 seconds. To reset the device, press the button. Resetting the device will cause service interruption. Exercise caution when you press the button.	2	CLOUD indicator
3	SYS indicator	4	Seven GE PoE+ LAN electrical ports
5	One GE PoE+ LAN/WAN electrical port	6	Two GE WAN electrical ports
7	Port indicator	8	Port indicator status switch button NOTE Port status: The port indicator indicates the data transmission status of the port. PoE status: The port indicator indicates the PoE status of the port.

9	Power adapter socket NOTE Use the power adapter (56 V 2.68 A) delivered with the device.	1 0	Ground screw
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Ports

Table 4-15 Ports on the S380-S8P2T

Port	Connector Type	Description	Available Components
GE PoE+ LAN electrical port	RJ45	A GE PoE+ LAN electrical port sends and receives LAN service data at 10/100/1000 Mbit/s. The port supports PoE function.	Ethernet cable
GE WAN electrical port	RJ45	A GE WAN electrical port sends and receives WAN service data at 10/100/1000 Mbit/s.	Ethernet cable
GE PoE+ LAN/WAN electrical port	RJ45	A GE PoE+ LAN/WAN electrical port sends and receives LAN or WAN service data at 10/100/1000 Mbit/s. The port supports PoE function.	Ethernet cable

Indicators and Buttons

Table 4-16 Description of indicators on the device

Indicator	Name	Color	Status	Description
SYS	System status indicator	-	Off	The system is not running or is in the reset state.
		Green	Fast blinking	The system is in the power-on loading or reset startup state.
		Green	Slow blinking	The system is running normally.
		Green	Steady on	During the system startup preparation phase, the SYS indicator is steady green, which lasts for a maximum of 15 seconds.
		Red	Steady on	The device cannot be started or the power supply is faulty.
Cloud	Cloud indicator	-	Off	The WAN port does not obtain an IP address.
		Blue	Steady on	The network is connected, and the WAN port obtains an IP address. NOTE This function is available in V600R023C00 and later versions. In V600R022C10, the indicator is still off when the WAN port obtains an IP address.
		Blue	Fast blinking	The device is connecting to the cloud.
		Blue	Slow blinking	The device is in the cloud management state.
-	Port indicator (Port status)	-	Off	The port is not connected or has been shut down.
		Green	Steady on	A link has been established on the port. NOTE During device startup, all port indicators are steady green for about 2 seconds and then off, indicating that service initialization is complete.
		Green	Blinking	The port is sending or receiving data.

Indicator	Name	Color	Status	Description
	Port indicator (PoE status)	-	Off	The port is not supplying PoE power.
		Green	Steady on	The port is supplying power to the connected PD.
		Green	Blinking	The PoE power of the device is insufficient, and the port cannot provide power to the PD.

Power Supply System

The device uses the power adapter delivered with the device to supply power to the device and the connected PD. The power adapter can provide 124 W PoE power, which ensures full PoE power on 8 ports in compliance with 802.3af or on 4 ports in compliance with 802.3at.

Heat Dissipation System

The device has no fans and uses natural heat dissipation.

Technical Specifications

Table 4-17 Technical specifications of the S380-S8P2T

Item	Specification
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 35.0 mm x 210.0 mm x 130.0 mm (1.38 in. x 8.27 in. x 5.12 in.) Maximum dimensions (the depth is the distance from ports on the front panel to the parts protruding from the rear panel): 35.0 mm x 210.0 mm x 136.3 mm (1.38 in. x 8.27 in. x 5.37 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	150.0 mm x 275.0 mm x 200.0 mm (5.91 in. x 10.83 in. x 7.87 in.)
Chassis height [U]	0.8 U
Chassis material	Metal
Weight without packaging [kg(lb)]	1.5 kg (3.31 lb)
Weight with packaging [kg(lb)]	1.8 kg (lb)
Typical power consumption [W]	12.4 W
Typical heat dissipation [BTU/hour]	42.3 BTU/hour

Item	Specification
Maximum power consumption [W]	145.8 W (PoE: 124 W)
Maximum heat dissipation [BTU/hour]	497.5 BTU/hour
Static power consumption [W]	7.53 W
MTBF [years]	65.36 years
MTTR [hours]	2 hours
Availability	> 0.99999
Noise at normal temperature (acoustic power) [dB(A)]	Noise-free (no fans), < 30
Noise at normal temperature (acoustic pressure) [dB(A)]	Noise-free (no fans), < 20
Number of card slots	0
Number of power slots	0
Number of fans modules	0
WAN ports	2 x GE WAN
LAN ports	8 x GE LAN (124 W PoE+)
Redundant power supply	Not supported
Long-term operating temperature [°C(°F)]	0°C to 40°C (32°F to 104°F) at an altitude of 0-1800 m (0-5906 ft.)
Restriction on the operating temperature variation rate [°C(°F)]	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.).
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% RH to 95% RH (non-condensing)
Long-term operating altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Storage altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Power supply mode	Power adapter
Rated input voltage [V]	Power adapter input: 100-240 V AC; 50/60 Hz Power adapter output: 56 V DC
Input voltage range [V]	Power adapter input: 90-290 V AC; 47-63 Hz

Item	Specification
Maximum input current [A]	2.68 A
Memory	DDR4: 512 MB
Flash memory	NAND Flash: 512 MB
Console port	Not supported
Eth Management port	LAN port
USB	Not supported
RTC	Not supported
RPS input	Not supported
Service port surge protection [kV]	Common mode: ± 4 kV
Power supply surge protection [kV]	Power adapter: ± 6 kV in differential mode and ± 6 kV in common mode
Ingress protection level (dustproof/waterproof)	IP20
Types of fans	None
Heat dissipation mode	Natural heat dissipation
Airflow direction	-
PoE	Supported
Certification	EMC certification Safety certification Manufacturing certification

4.3.5 S380-H8T3ST

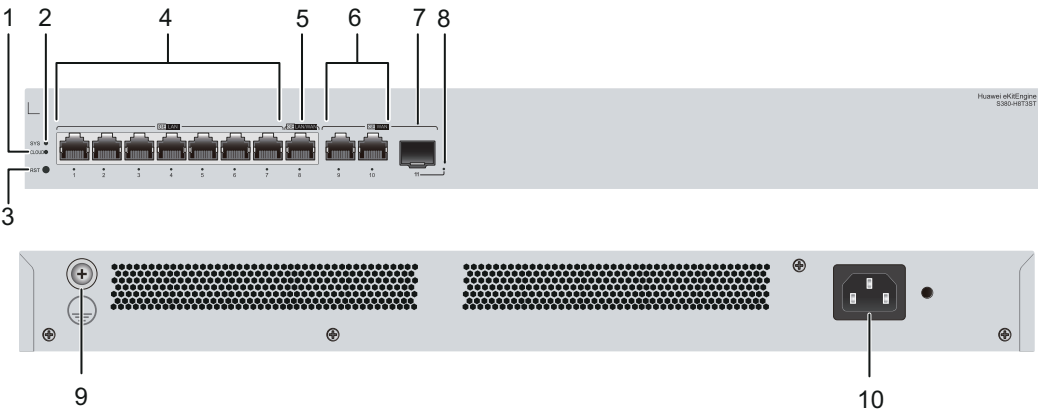
Overview

Table 4-18 Basic information about the S380-H8T3ST

Item	Details
Description	S380-H8T3ST, 2*GE WAN, 1*GE(SFP) WAN, 8*GE LAN
Part Number	98012181
Model	S380-H8T3ST
First supported version	V600R022C10

Components

Figure 4-6 S380-H8T3ST appearance



1	CLOUD indicator	2	SYS indicator
3	One RST button NOTICE To restore the factory settings and reset the device, hold down the button for at least 6 seconds. To reset the device, press the button. Resetting the device will cause service interruption. Exercise caution when you press the button.	4	Seven GE LAN electrical ports
5	One GE LAN/WAN electrical port	6	Two GE WAN electrical ports
7	One GE WAN optical port	8	Port indicator
9	Ground screw	10	AC socket NOTE Use the power cable delivered with the device.

Ports

Table 4-19 Ports on the S380-H8T3ST

Port	Connector Type	Description	Available Components
GE LAN electrical port	RJ45	A GE LAN electrical port sends and receives LAN service data at 10/100/1000 Mbit/s.	Ethernet cable
GE WAN optical port	SFP	A GE WAN optical port sends and receives WAN service data at 1000 Mbit/s.	GE eSFP optical modules (only optical modules with transmission distances less than or equal to 10 km are supported)
GE WAN electrical port	RJ45	A GE WAN electrical port sends and receives WAN service data at 10/100/1000 Mbit/s.	Ethernet cable
GE LAN/WAN electrical port	RJ45	A GE LAN/WAN electrical port sends and receives LAN or WAN service data at 10/100/1000 Mbit/s.	Ethernet cable

Indicators and Buttons

Table 4-20 Description of indicators on the device

Indicator	Name	Color	Status	Description
SYS	System status indicator	-	Off	The system is not running or is in the reset state.

Indicator	Name	Color	Status	Description
		Green	Fast blinking	The system is in the power-on loading or reset startup state.
		Green	Slow blinking	The system is running normally.
		Green	Steady on	During the system startup preparation phase, the SYS indicator is steady green, which lasts for a maximum of 15 seconds.
		Red	Steady on	The device cannot be started or the power supply is faulty.
Cloud	Cloud indicator	-	Off	The WAN port does not obtain an IP address.
		Blue	Steady on	The network is connected, and the WAN port obtains an IP address. NOTE This function is available in V600R023C00 and later versions. In V600R022C10, the indicator is still off when the WAN port obtains an IP address.
		Blue	Fast blinking	The device is connecting to the cloud.
		Blue	Slow blinking	The device is in the cloud management state.
-	Port indicator	-	Off	The port is not connected or has been shut down.
		Green	Steady on	A link has been established on the port. NOTE During device startup, all port indicators are steady green for about 2 seconds and then off, indicating that service initialization is complete.
		Green	Blinking	The port is sending or receiving data.

Power Supply System

The device is powered by the power cable delivered with the device.

Heat Dissipation System

The device has no fans and uses natural heat dissipation.

Technical Specifications

Table 4-21 Technical specifications of the S380-H8T3ST

Item	Specification
Dimensions without packaging (H x W x D) [mm(in.)]	Basic dimensions (excluding the parts protruding from the body): 43.6 mm x 442.0 mm x 160.0 mm (1.72 in. x 17.4 in. x 6.3 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 166.7 mm (1.72 in. x 17.4 in. x 6.56 in.)
Dimensions with packaging (H x W x D) [mm(in.)]	90.0 mm x 550.0 mm x 260.0 mm (3.54 in. x 21.65 in. x 10.24 in.)
Chassis height [U]	1 U
Chassis material	Metal
Weight without packaging [kg(lb)]	1.6 kg (3.53 lb)
Weight with packaging [kg(lb)]	2.1 kg (4.63 lb)
Typical power consumption [W]	11.25 W
Typical heat dissipation [BTU/hour]	38.4 BTU/hour
Maximum power consumption [W]	11.5 W
Maximum heat dissipation [BTU/hour]	39.2 BTU/hour
Static power consumption [W]	6.49 W
MTBF [years]	63.71 years
MTTR [hours]	2 hours
Availability	> 0.99999
Noise at normal temperature (acoustic power) [dB(A)]	Noise-free (no fans), < 30
Noise at normal temperature (acoustic pressure) [dB(A)]	Noise-free (no fans), < 20
Number of card slots	0
Number of power slots	0
Number of fans modules	0

Item	Specification
WAN ports	2 x GE WAN, 1 x GE (SFP) WAN
LAN ports	8 x GE LAN
Redundant power supply	Not supported
Long-term operating temperature [°C(°F)]	0°C to 40°C (32°F to 104°F) at an altitude of 0-1800 m (0-5906 ft.)
Restriction on the operating temperature variation rate [°C(°F)]	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.).
Storage temperature [°C(°F)]	-40°C to +70°C (-40°F to +158°F)
Long-term operating relative humidity [RH]	5% RH to 95% RH (non-condensing)
Long-term operating altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Storage altitude [m(ft.)]	0-5000 m (0-16404 ft.)
Power supply mode	AC built-in
Rated input voltage [V]	AC input: 100-240 V AC; 50/60 Hz
Input voltage range [V]	AC input: 90 V AC to 264 V AC; 45 Hz to 65 Hz
Maximum input current [A]	0.8 A
Memory	DDR4: 1 GB
Flash memory	NAND Flash: 512 MB
Console port	Not supported
Eth Management port	LAN port
USB	Not supported
RTC	Not supported
RPS input	Not supported
Service port surge protection [kV]	Common mode: ±4 kV
Power supply surge protection [kV]	Power adapter: ±6 kV in differential mode and ±6 kV in common mode
Ingress protection level (dustproof/waterproof)	IP20
Types of fans	None
Heat dissipation mode	Natural heat dissipation

Item	Specification
Airflow direction	-
PoE	Not supported
Certification	EMC certification Safety certification Manufacturing certification