

Cisco LT-S

Contents

Product overview	3
Features and benefits	3
Product specifications	4
Power options and accessories	6
Cisco environmental sustainability	6
Cisco Services	6
Cisco Capital	7
For more information	7
Document history	7

Easily establish, validate, and monitor network performance with scalable, integrated hardware.

Product overview

The Cisco LT-S is a dense, multiport, 1/10 Gigabit Ethernet platform with ultra-low-latency packet forwarding and jitter. Designed for high-availability applications requiring MEF-type service assurance, the LT-S is optimized for scalable service delivery and high-precision performance monitoring. It is an ideal edge, aggregation, or External Network-to-Network Interface (ENNI) unit for demanding wireless backhaul, SLA-backed business services, Ethernet wholesale, and dark fiber termination applications. Switch-free aggregation offers near-zero-latency multiservices for multitenant and multioperator endpoints.

The LT-S provides all the tools to establish, validate, and monitor Layer 2 and Layer 3 services in a single unit. It is a flexible, scalable alternative to switches and routers when delivering resilient services over optical linear or G.8032 ring topologies. Zero-touch provisioning and IPv4/IPv6 management make the LT-S easy to deploy, manage, and secure.

Fully integrated with Cisco Crosswork Assurance, the LT-S supports service delivery automation, scalable metrics collection, and reporting—along with actionable insights delivery and machine learning for accelerated service rollout and improved operational efficiencies.

The LT-S interoperates with other Assurance Sensors to deliver a scalable end-to-end and core-to-edge performance-assured networking solution tailored to your applications.

Features and benefits

Table 1. Features and benefits

Feature	Benefit
Y.1564/RFC2544 Service Activation Testing (SAT)	Helps measure services to ensure that they were activated and are performing as expected
Wire-speed, MEF-certified Carrier Ethernet service delivery	Delivers reliable network service across applications
Precise, scalable Layer 2 service Operations, Administration, and Maintenance (OAM), including Y.1731 and performance assurance agent	Assists in the installation, monitoring, and troubleshooting of Ethernet networks
Precise, scalable Layer 3 Two-Way Active Measurement Protocol (TWAMP)	Measures network performance between two endpoints and provides Quality-of-Service (QoS) analysis
MEF 10.3 hierarchical QoS enforcement	Prioritizes network traffic and gives highest bandwidth to most critical operations
Programmable, patented Field- Programmable Gate Array (FPGA)	Offers flexibility for teams to configure network hardware according to their unique needs

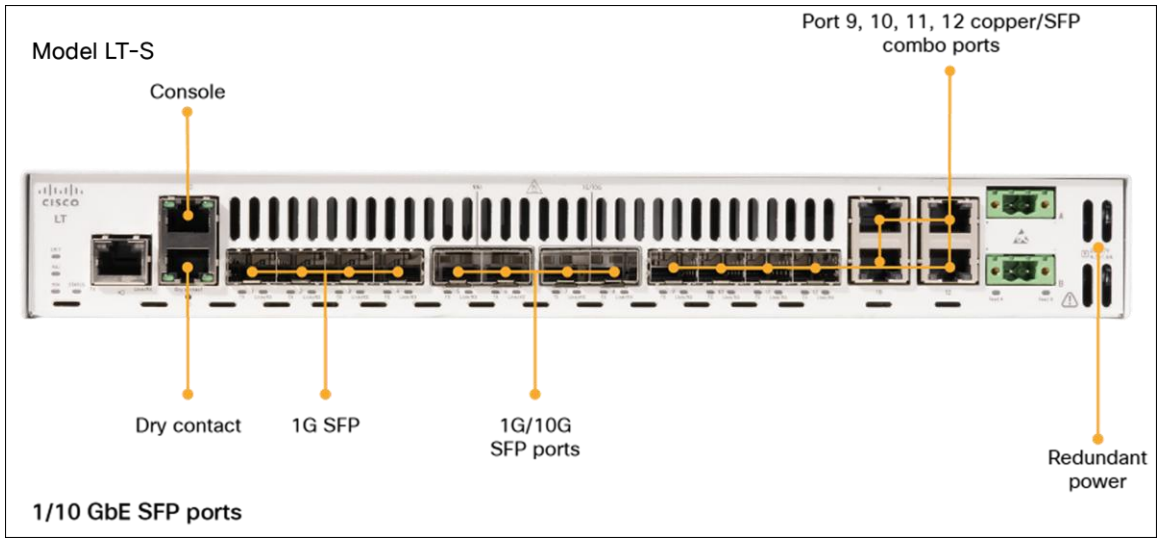


Figure 1.
Cisco LT-S

Product specifications

Table 2. Product specifications

Power and connectivity	
Supply/voltage	Dual (A/B) 20 to 57 VDC, 4.5 to 1.6A max
Power consumption	<90 watts
Heat generation	<310 BTU per hour
Maximum SFP socket power consumption	1.2W per socket, commercial-grade SFP (70°C, 158°F) at 50°C (122°F) ambient temperature 1.2W per socket, industrial-grade SFP (85°C, 185°F) at 65°C (149°F) ambient temperature
Maximum SFP+ socket power consumption	2x 2.5W and 2x 1.5W per socket, commercial-grade SFP+ (70°C, 158°F) at 50°C (122°F) ambient temperature 2x 2.5W and 2x 1.5W per socket, industrial-grade SFP+ (85°C, 185°F) at 65°C (149°F) ambient temperature
Physical	
Dimensions (H x W x D)	1.75 x 13.0 x 8.9 in. (45 x 330 x 225 mm)
Weight	2.7 kg (6.0 lb)
Environmental	
Standard operating temperature	Standard: 0° to 50°C (32° to 122°F) When powered with the external AC/DC power supply: 0° to 40°C (32° to 104°F)

Power and connectivity

Hardened operating temperature (at sea level)	-40° to +65° C (-40° to +149° F)
Storage temperature	-40° C to +70° C (-40° to +158° F)
Maximum altitude	2000 meters (6562 ft) above sea level
Operating/storage humidity	5% to 95% RH, noncondensing

Regulation and Standard Compliance (Model: NODE2)

Feature	Description
Safety	IEC 62368-1, EN IEC 62368-1, AS/NZS 62368.1, CSA/UL 62368-1, GB 4943.1, J62368-1, SASO-IEC 62368-1
EMC - Emission (Class A)	CISPR 32, EN 55032, FCC Part 15 (CFR 47), ICES-003, AS/NZS CISPR 32
EMC - Immunity	CISPR 35, EN 55035
Telco	NEBS Level-3: GR-63, GR-1089
Environmental	RoHS; IEC 63000, EN IEC 63000; WEEE
Mean Time Between Failures (MTBF) > 72 yrs at 25° C per Telcordia SR-332 method MTBF > 39.5 yrs	

Table 3. LT-S models

Model	10GE SFP+ NNI interfaces	1GE SFP UNI interfaces	1/10GE SFP/SFP+ interfaces	1GE copper/SFP combo UNI ports	Temperature hardened	Cisco PID
LT-S	2	4	2	4		SKY-LTS-DD
LT-SH	2	4	2	4	•	SKY-LTS-H-DD

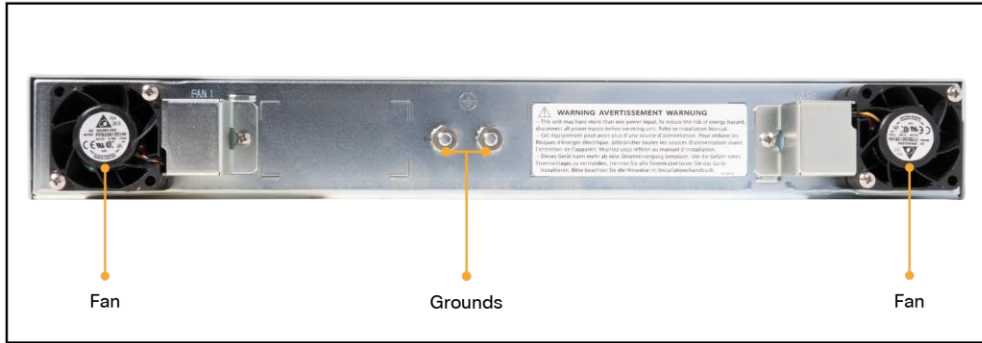


Figure 2.
Back view of Cisco LT-S

Power options and accessories

Choose between 19- and 23-inch rack-mount and wall-mount options, as well as AC power options.

Cisco environmental sustainability

Information about Cisco’s environmental sustainability policies and initiatives for our products, solutions, operations, and extended operations or supply chain is provided in the “Environmental Sustainability” section of Cisco’s [Corporate Social Responsibility](#) (CSR) Report.

Reference links to information about key environmental sustainability topics (mentioned in the “Environmental Sustainability” section of the CSR Report) are provided in the following table:

Sustainability topic	Reference
Information on product material content laws and regulations	Materials
Information on electronic waste laws and regulations, including products, batteries, and packaging	WEEE compliance

Cisco makes the packaging data available for informational purposes only. It may not reflect the most current legal developments, and Cisco does not represent, warrant, or guarantee that it is complete, accurate, or up to date. This information is subject to change without notice.

Cisco Services

Cisco offers a wide range of services to help accelerate your success in deploying and optimizing Cisco Crosswork Assurance on your network. The innovative Cisco Services offerings are delivered through a unique combination of people, processes, tools, and partners and are focused on helping you increase operating efficiency and improve your data center network. Cisco Advanced Services uses an architecture-led approach to help you align your data center infrastructure with your business goals and achieve long-term value. Cisco Smart Net Total Care® Service helps you resolve mission-critical problems with direct access at any time to Cisco network experts and award-winning resources.

Cisco Capital

Flexible payment solutions to help you achieve your objectives

Cisco Capital makes it easier to get the right technology to achieve your objectives, enable business transformation and help you stay competitive. We can help you reduce the total cost of ownership, conserve capital, and accelerate growth. In more than 100 countries, our flexible payment solutions can help you acquire hardware, software, services and complementary third-party equipment in easy, predictable payments. [Learn more](#).

For more information

For more information on Cisco Crosswork Assurance, please visit <https://www.cisco.com/site/us/en/products/networking/software/provider-connectivity-assurance/index.html>

For technical documentation, visit the [Cisco Crosswork Assurance Documentation](#) site.

Document history

New or revised topic	Described in	Date
Updated Cisco LT-S models	Table 3	November 7, 2024
Crosswork Assurance updates		May 18, 2026

Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at <https://www.cisco.com/go/offices>.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: <https://www.cisco.com/go/trademarks>. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1110R)