

## Datasheet

# Skylight performance element: LT

## Models LT, LT-S

The Skylight LT performance element is a dense multi-port, 1 gigabit and 10 gigabit Ethernet platform with ultra-low latency packet forwarding and jitter. Designed for high-availability applications requiring MEF-type service assurance, the LT 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 multi-services for multi-tenant and multi-operator endpoints.

A programmable, patented dual-plane FPGA architecture powers the LT's unique combination of scalable, integrated features:

- Wire-speed, MEF-certified Carrier Ethernet service delivery
- Y.1564/RFC2544 Service Activation Testing (SAT)
- Layer 2 Service OAM, including Y1731 and PAA
- Layer 3 TWAMP Light generation and reflection

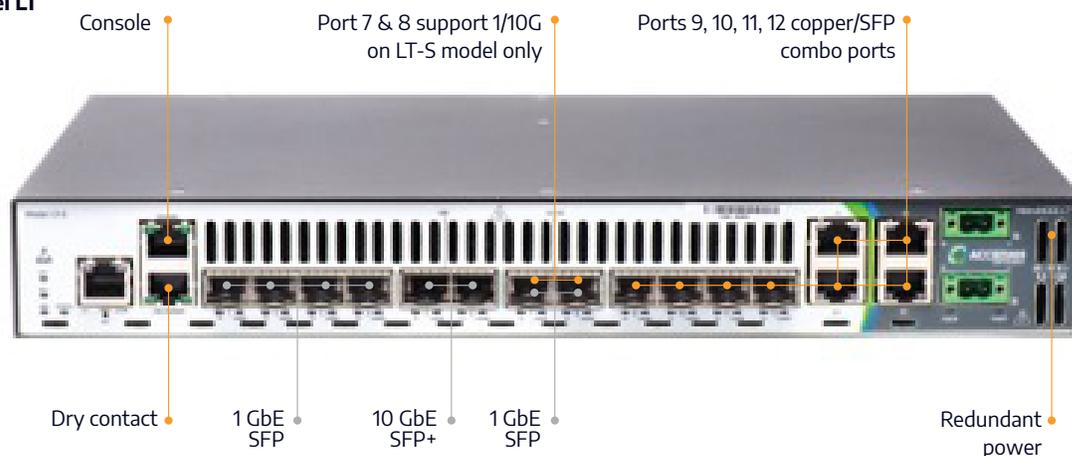
- MEF 10.3 hierarchical quality of service (H-QoS) enforcement

LT elements provide all the tools to establish, validate, and monitor Layer 2 and Layer 3 services in a single unit. This 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 these performance elements easy and secure to deploy and manage.

Fully integrated with the Skylight Orchestrator and Analytics solutions, it supports service delivery automation and scalable metrics collection and reporting along with actionable insights delivery and machine learning for accelerated service roll-out and improved operational efficiencies.

The LT interoperates with other Accedian performance elements and sensors to deliver a scalable end-to end and core-to-edge performance assured networking solution tailored to your applications.

### Model LT



1/10 GbE SFP ports (see ports details on page 2)

## Specifications

Power & Connectivity	
Supply/voltage	Dual (A/B) 20-57 VDC, 4.5 – 1.6A max
Power consumption	<90 watts
Heat generation	<310 BTU per hour
Maximum SFP socket power consumption	1.2 W per socket, commercial grade SFP (70°C) at +50°C ambient temperature 1.2 W per socket, industrial grade SFP (85°C) at +65°C ambient temperature
Maximum SFP+ socket power consumption	2x2.5 W and 2x1.5 W per socket, commercial grade SFP+ (70°C) at +50°C ambient temperature 2x2.5 W and 2x1.5 W per socket, industrial grade SFP+ (85°C) at +65°C ambient temperature
Physical Specifications	
Dimensions	1.75" H x 13.0" W x 8.9" D in. (45 H x 330 W x 225 D mm)
Weight	2.7 kg or 6.0 lbs
Environmental	
Standard operating temperature	0°C to +50°C (standard) 0°C to +40°C (when powered with the external AC/DC power supply)
Hardened operating temperature (at sea level)	-40°C to +65°C
Storage temperature	-40°C to +70°C
Maximum altitude	2000 meters
Operating/storage humidity	5-95% RH, non-condensing
Regulatory and Certification	
Certification safety model name (unique identifier): NODE2 IEC 60950-1/UL 60950-1/CSA C.22.2 No 60950-1 FCC Part 15 Class A, ICES-003 CE marking and RoHS compliant, WEEE compliant Contact Accedian for others market(s) certification's status MTBF > 72 yrs at 25°C per Telcordia SR-332 method MTBF > 39.5 yrs at 40°C per Telcordia SR-332 method NEBS Level 3	

## LT models

Model	10G SFP+ NNI interfaces	1G SFP UNI interfaces	1G/10G SFP/SFP+ interfaces	1G copper/SFP combo UNI ports	Temp. hardened	GPS	SyncE	Part number
LT	2	6	0	4				752-000
LT-H	2	6	0	4	•			752-100
LT-G	2	6	0	4		•		752-200
LT-GH	2	6	0	4	•	•		752-300
LT-Y	2	6	0	4			•	752-400
LTYH	2	6	0	4	•		•	752-500

## LT-S models

Model	10G SFP+ NNI interfaces	1G SFP UNI interfaces	1G/10G SFP/SFP+ interfaces	1G Copper/SFP combo UNI ports	Temp. hardened	GPS	SyncE	Part number
LT-S	2	4	2	4				753-000
LT-SH	2	4	2	4	•			753-100
LT-SG	2	4	2	4		•		753-200
LT-SGH	2	4	2	4	•	•		753-300
LT-SY	2	4	2	4			•	753-400
LT-SYH	2	4	2	4	•		•	753-500



## Power options & accessories

19" and 23" rackmount and wall mount options as well as AC power options also available with this product. Please refer to the Accedian ordering guide for details about the different accessories available with this product.

## Contact us

For detailed specifications, ask for a copy of our Capabilities Matrix. Our engineers can help you select the right unit for your application:

**[Accedian.com/contact](https://www.accedian.com/contact)**