Datasheet
Skylight element: LX

The LX element is a compact, 1 gigabit and 10 gigabit Ethernet (1/10 GbE) platform with ultra-low latency packet forwarding and jitter. Designed for high-availability applications requiring MEF-type service assurance, the LX is optimized for scalable service delivery and performance monitoring. Its design is ideal for deployment in space constrained environments for mobile backhaul and business Ethernet applications.

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

• Wire-speed, MEF-certified carrier Ethernet service delivery
• Y.1564/RFC2544 Service Activation Testing (SAT)
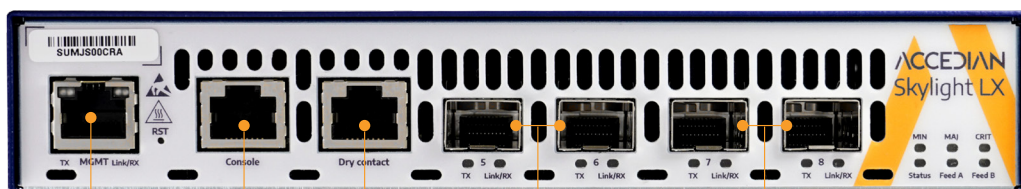• Layer 2 Service OAM, including Y1731 and PAA

• Layer 3 TWAMP light generation and reflection
• MEF 10.3 hierarchical quality of service (H-QoS) enforcement

LX elements provide all the tools to establish, validate, and monitor Layer 2 and Layer 3 services in a single, small footprint unit. This is a flexible, scalable alternative to switches and routers when delivering resilient services over optical linear or ring topologies. Zero-touch provisioning and IPv4/IPv6 management support makes these elements easy and secure to deploy and manage.

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

Front panel

Management port · Console · Dry contact · Ports 5 & 6 1G/10G · Ports 7 & 8 1G/10G

Back panel

Power · Fan · Ground · Fan

Specifications

Power	
Input voltage range	20-57VDC, 3.0-1.1A
Power consumption	$40W_{Nom}$ $55W_{Max}$
SFP+ slots power capability	$2.0W_{Max}$ per slots
Interfaces	
Client	Two SFP+ Port (1000/10G BASE-X)
Network	Two SFP+ Port (1000/10G BASE-X)
Management	One RJ45 Port (10/100/1000 BASE-T)
Console	One RJ45 Port (RS-232)
Dry-contacts	One RJ45 Port (4 dry contacts)
Physical	
Dimensions (W x H x D)	201 x 38 x 229mm (7.9 x 1.5 x 9.0 in)
Weight	1655g (59oz)
Environmental	
Operating temperature	Commercial: 0C to 50C • Hardened: -40C to 65C
Storage temperature	-40C to 70C
Operating humidity	5% to 95% RH, non-condensing
Storage humidity	5% to 95% RH, non-condensing
Maximum altitude	2000 m, above sea level
Regulation & standard compliance	
Safety	60950-1
EMC	Class A
Telco	NEBS level-3

Note: Contact Accedian technical support for exceptions.

LX-models

Model	1G/10G SFP/SFP+ interfaces	Temp hardened	SyncE (ITU-T G 8262.1)	Part number
LX-S	4			757-000
LX-SH	4	•		757-100
LX-SY	4		•*	757-400
LX-SYH	4	•	•*	757-500

*Future capability

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