

## Datasheet

# Skylight Flex 25

The Skylight Flex 25 is a next-generation, multi-port, 25-gigabit Ethernet platform with the same ultra-low latency packet forwarding and jitter found in the rest of the Skylight sensor portfolio.

Designed for high-bandwidth and high availability applications requiring granular service assurance, the Skylight Flex 25 is optimized for scalable service delivery and high-precision, real-time performance monitoring. It is an ideal edge, aggregation, or External Network-to-Network Interface (ENNI) unit for demanding high-bandwidth wireless backhaul and fronthaul, SLA-backed business services, Ethernet wholesale, and dark fiber termination applications.

A programmable, patented FPGA-based architecture powers the Skylight Flex 25's unique combination of scalable, integrated features:

- Wire-speed, MEF-certified Carrier Ethernet service delivery
- Line rate Y.1564/RFC2544 Service Activation Testing (SAT)
- High precision, scalable Layer 2 Service OAM, including Y.1731
- High precision, scalable Layer 3 TWAMP Light generation and reflection and near real time data transfer
- MEF 10.3 hierarchical quality of service (H-QoS enforcement)

The Skylight Flex 25 with synchronization option adds the high precision timing capabilities needed for delivering next-generation services, such as 5G-based service applications.

The Skylight Flex 25 elements provide all the tools to establish, validate, and monitor Layer 2 and Layer 3 services in a single unit. 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 performance analytics platform, it supports service delivery automation and scalable, real-time metrics collection and reporting. Accelerated service roll-outs and improved operational efficiency are enabled by the platform's actionable insights and machine learning capabilities.

The Skylight Flex 25 interoperates with other Skylight performance elements and sensors to deliver scalable end-to-end and core-to-edge performance assured networking solutions tailored to your applications.

### Skylight Flex 25



Skylight Flex 25



Skylight Flex 25 with synchronization option

## Specifications

Power & Connectivity	
Input power rating	AC Input: 100-240V AC, 50-60Hz, 1.0-0.75A Max DC Input: 40-57VDC, 3.8-2.4A Max
Power consumption	72W Typical, 97W Max (246 BTU/Hr Typical, 328 BTU/Hr Max)
Maximum QSFP socket power consumption	SFP28: 3.5W(Max) per port
Maximum SFP+ socket power consumption	SFP+: 3.0W(Max) per port
Physical	
Dimensions (W x H x D)	36.6 x 196.6 x 316.5 mm (1.4 x 7.7 x 12.4 in)
Weight	2400g (5.2 lb)
Environmental	
Operating temperature	AC or DC Commercial: 0C to 50C (32F to 122F) DC Hardened: -40C to 65C (-40F to 149F)
Storage temperature	-40C to 70C (-40F to 158F)
Maximum altitude	3000 m (9900 ft), above sea level
Operating/storage humidity	Operating humidity: 5% to 85% RH, Non Condensing Storage humidity: 5% to 95% RH, Non Condensing
Regulatory and standard compliance (unique ID: NG100)	
Safety	IEC 62368-1, EN 62368-1, CSA/UL 62368-1, AS/NZS 62368.1, J62368-1, CEI EN 62368-1, DS/EN 62368-1, SASO-IEC-62368-1
EMC - Emission (Class A)	CISPR 32, IEC 61000-3-2, IEC 61000-3-3, EN 61000-3-2, EN 61000-3-3, FCC (47 CFR Part 15 Sub-part B), ICES-003, AS/NZS CISPR 32, VCCI-CISPR 32
EMC - Immunity	CISPR 35, EN 55035
Telco	NEBS Level-3: GR-63, GR-1089
Radio	EN 301 489-19, EN 303 413
Environmental	RoHS: IEC 63000, EN IEC 63000

## Flex 25 models

Model	100G QSFP interface	Power	Description	Part number
25G-DC	4	DC	Skylight Flex-25 Quad 25GbE Ports (SFP28), DC Power Input, Commercial	755-020
25G-AC	4	AC	Skylight Flex-25 Quad 25GbE Ports (SFP28), AC power Input, Commercial	755-040
25G-DC-H	4	DC	Skylight Flex-25 Quad 25GbE Ports (SFP28), DC Power Input, Hardened	755-120

## 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)