

Datasheet

Skylight Flex 100

The Skylight Flex 100 is a next generation multi-port, 100 gigabit Ethernet platform with the same ultra-low latency packet forwarding and jitter found in the rest of the Accedian sensor portfolio.

Designed for high-bandwidth and high availability applications requiring MEF-type service assurance, the Skylight Flex 100 is optimized for scalable service delivery and high-precision, granular real time performance monitoring. It is an ideal edge, aggregation or External-Network-to-Network Interface (ENNI) unit for demanding high-bandwidth wireless backhaul, SLA-backed business services, Ethernet wholesale and dark fiber termination applications.

A programmable, patented FPGA-based architecture powers the Skylight Flex 100'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 Y1731 and PAA
- 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

An optional synchronization module adds the high precision timing capabilities needed for delivering next generation services such as 5G-based services applications.

The Skylight Flex 100 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 Analytics solutions, it supports service delivery automation and scalable, real time metrics collection and reporting along with actionable insights delivery and machine learning for accelerated service roll-out and improved operational efficiencies.

The Skylight Flex 100 interoperates with other Accedian performance elements and sensors to deliver a scalable end-to-end and core-to-edge performance assured networking solutions tailored to your applications.

Skylight Flex 100



100G-AC-AC



100G-DC-DC

Specifications

Power & Connectivity	
Input power rating	AC Input: 100Vrms-240Vrms, 2.5-1.0A 80 plus platinum DC Input: Vdc=36-72VDC, 6.5-3.25A, efficiency 80% min @48V
Power consumption	150W _{Nom} 230W _{Max}
Maximum QSFP socket power consumption	QSFP: 5.0W(Max) per slots
Maximum SFP+ socket power consumption	SFP+: 2.0W(Max) per slots
Physical	
Dimensions (W x H x D)	426.6 x 44.2 x 351.3mm (16.8 x 1.74 x 13.83 in)
Weight	6500g (229oz)
Environmental	
Operating temperature	0C to 50C
Storage temperature	-40C to 70C
Maximum altitude	2000 m, 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, UL 62368-1, CSA C22.2 No. 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 55032, EN 61000-3-2, EN 61000-3-3, 47 CFR Part 15 Sub-part B, ICES-003, AS/NZS CISPR 32, VCCI-CISPR 32, KS C 9832
EMC - Immunity	CISPR 35, EN 55035, KS C 9835
Telco	NEBS Level-3: GR-63, GR-1089 (Pending)
Radio	EN 301 489-1/19, EN 303 413
Environmental	RoHS: IEC 63000:2016, EN IEC 63000:2018

Flex 100 models

Model	100G QSFP interface	Power	Description	Part number
100G-DC	4	DC	Skylight Flex-100 quad 100Gbe ports (QSFP28) single DC power	758-010
100G-DC-DC	4	DC	Skylight Flex-100 quad 100Gbe ports (QSFP28) dual DC power	758-020
100G-AC	4	AC	Skylight Flex-100 quad 100Gbe ports (QSFP28) single AC power	758-030
100G-AC-AC	4	AC	Skylight Flex-100 quad 100Gbe ports (QSFP28) dual AC power	758-040

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)