

Datasheet

Skylight performance element: GT

Models GT, GT-S

The Skylight GT performance element is a compact, 1 gigabit Ethernet platform with ultra-low latency packet forwarding and jitter. Designed for high-availability applications requiring MEF-type service assurance, the GT is optimized for scalable service delivery and high-precision performance monitoring. Mobile operators deploying Carrier Ethernet backhaul to macro-cell sites value the GT's combined networking and standards-based QoS monitoring capabilities. Business Ethernet service providers value the unit's exceptional feature set, reliability, versatile power options and performance monitoring, which also make it the perfect fit for small cell deployments.

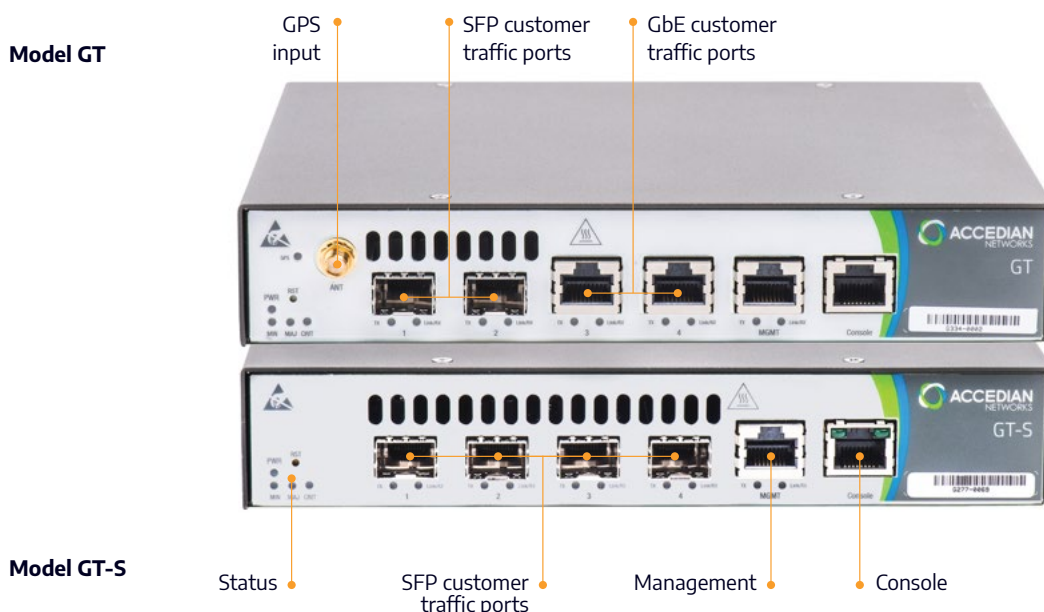
A programmable, patented dual-plane FPGA architecture powers the GT's unique combination of scalable, integrated features:

- 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) performance elements and migranular traffic shaping
- GT 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 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 and machine learning for accelerated service roll-out and improved operational efficiencies.

The GT 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.



Specifications

Power & connectivity	
AC input (single or dual)	100-240 VAC, 50-60 Hz, 0.5-0.3 A
DC input	Dual (A/B), 20-57 VDC, 1.25 A max For centralized DC power connection, the equipment must be installed in a restricted access location
Power consumption	<22 watts
Maximum SFP socket power consumption	1.5 watts per socket, up to 5 watts total
Physical specifications	
Dimensions	1.5" H x 7.9" W x 6.8" D in. (38 H x 200 W x 172 D mm)
Weight	1.35 kg or 3.0 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 (-H models only)	-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): NID4 IEC 60950-1/UL 60950-1/CSA C.22.2 No 60950-1 FCC Part 15 Class A, Industry Canada ICES-003 CE marking and RoHS compliant, WEEE compliant Contact Accedian for others market(s) certification's status TBF (AC powered unit) > 30 yrs at 25°C per Telcordia SR-332 method issue 2 > 22 yrs at 40°C per Telcordia SR-332 method issue 2 MTBF (DC powered unit) > 83 yrs at 25°C per Telcordia SR-332 method issue 2 > 38 yrs at 40°C per Telcordia SR-332 method issue 2 NEBS Level 3 Compliant with MEF20 (UNI Type II)	

GT models

Model	Copper interfaces (RJ-45)	Optical interfaces (SFP)	Temp. hardened	GPS	SyncE	Part number
GT DC	2	2				725-020
GT-H DC	2	2	•			725-120
GT-G DC	2	2		•		725-220
GT-GH DC	2	2	•	•		725-320
GT-Y DC	2	2			•	725-420
GT-YH DC	2	2	•		•	725-520
GT AC	2	2				725-040
GT-G AC	2	2		•		725-240
GT-Y AC	2	2			•	725-440
GT AC-AC	2	2				725-030
GT-G AC-AC	2	2		•		725-230
GT-Y AC-AC	2	2			•	725-430

GT-S models (all SFP)

Model	Copper interfaces (RJ-45)	Optical interfaces (SFP)	Temp. hardened	GPS	SyncE	Part number
GT-S DC	0	4				726-020
GT-SH DC	0	4	•			726-120
GT-SG DC	0	4		•		726-220
GT-SGH DC	0	4	•	•		726-320
GT-SY DC	0	4			•	726-420
GT-SYH DC	0	4	•		•	726-520
GT-S AC	0	4				726-040
GT-SG AC	0	4		•		726-240
GT-SY AC	0	4			•	726-440
GT-S AC-AC	0	4				726-030
GT-SG AC-AC	0	4		•		726-230
GT-SY AC-AC	0	4			•	726-430



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)