ACCEDIAN NETWORKS

GT

Previously the MetroNID® GT, GT-S

Network Performance Element

Accedian worked closely with leading service providers & mobile operators to develop the GT's exceptional feature set. A tailored combination of service assurance, networking and performance optimization, the GT is a complete solution for the performance-assured delivery of demanding small cell & mobile backhaul, business services and data center connectivity.
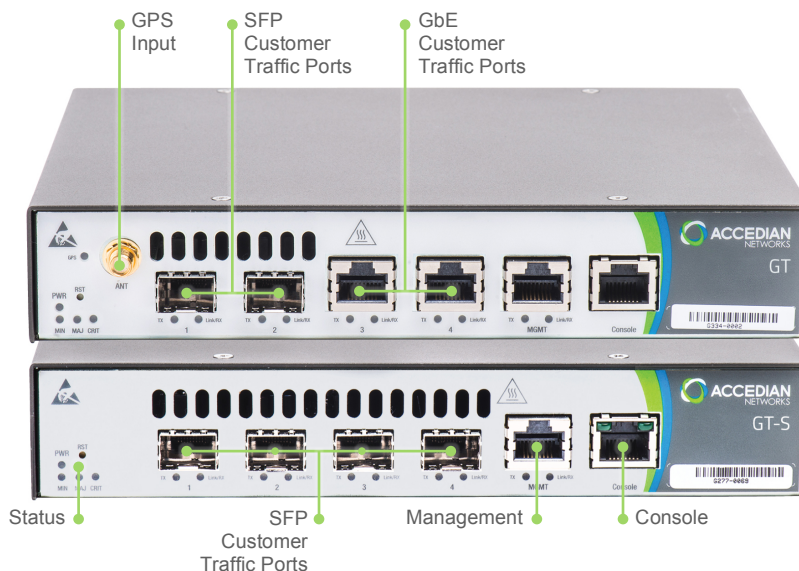
The GT's integrated G.8032v2 Ethernet Ring support provides resilient, carrier-grade access with sub-50ms failover protection. Complemented by MEF 2.0 Certification, this Network Performance Element seamlessly interoperates in multi-vendor deployments. The GT's integrated turn-up testing, standards-based+ real-time L2 & 3 performance monitoring, granular traffic conditioning and MEF 10.3 hierarchical QoS (H-QoS) capabilities make it an all-inclusive, streamlined edge-networking solution.
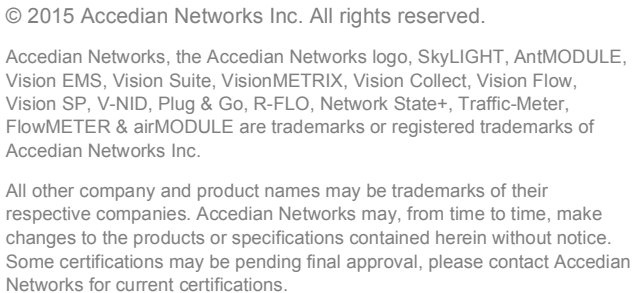
Key Applications

Mobile operators deploying Carrier Ethernet backhaul to macro-cell sites value the GT's combined networking and standards-based QoS monitoring capabilities, powered by a lightning-fast programmable FPGA architecture. The unit's exceptional reliability, NEBS certification, versatile power options and layer 3 TWAMP Light (Y.5357) performance monitoring also make it the perfect fit for outdoor small cell deployments.

Leading providers also deploy the GT over international footprints to establish, assure and optimize SLA-backed business services. Integration with Accedian automation and visualization platforms simplifies large-scale provisioning, data collection and reporting, while the industry's fastest micro-shaping technology delivers up to 800% increased TCP throughput for off-net business services and data center connectivity.

The GT interoperates with Accedian Performance Elements, Modules, Actuators and programmable Performance Platforms to deliver a scalable core-to-edge performance assured networking solution tailored to your applications.

Benefits

A tailored combination of resilient networking, performance assurance and bandwidth optimization in a single, carrier-grade Element:

- Ethernet Ring support for resilient access.

- MEF 2.0 Certified H-QoS with integrated micro-shaping maximizes use of available bandwidth.

- Layer 3, standards-based TWAMP Light monitoring support complements Layer 2 Ethernet Service OAM for total QoS visibility over multi-vendor networks.

- Built-in turn-up test suite eliminates the need for test sets.

- Exceptional reliability and processing speed support mission-critical, ultra-low latency services.

- Unique 1-way latency, delay variation, in-service throughput testing and more simplify troubleshooting of asymmetric services & networks.

GPS Input — SFP Customer Traffic Ports — GbE Customer Traffic Ports

Status — SFP Customer Traffic Ports — Management — Console

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
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)

Dual or Single AC Power — Fans — Model GT-S

GT Models

Model	Copper Interfaces (RJ-45)	Optical Interfaces (SFP)	Temperature 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)	Temperature 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

Description	Part Number
APS-GPS-3-CBL (10-foot GPS active antenna 28dB with low-noise amplifier)	721-010
APS-GPS-2-CBL (10-foot GPS cable with RG174 interface for Alcatel-Lucent splitter)	721-011
APS-GPS-2-CBL (10-foot GPS cable with RG174 interface)	721-012
APS-GPS-CBL (15-foot RG174 SMA male-to-female extension cable)	721-013
DC A/B Power Connection Terminal Block Adapter	720-009
DC A/B Cable (10 feet)	720-00S
DC A/B Cable for Europe/Russia (blue/grey wire, 10 feet)	720-0ES
Standalone External AC/DC Power Supply (no AC Power Cord included)*	720-0PP
AC Power Cord (North America)**	721-020
AC Power Cord (Europe/Russia)**	721-021
AC Power Cord (UK)**	721-022
AC Power Cord (Japan)**	721-023
AC Power Cord (India)**	721-024
AC Power Cord (Australia/New Zealand)**	721-026
AC Power Cord (Switzerland)**	721-027
AC Power Cord (Italy)**	721-028
AC Power Cord (China)**	721-030

Note
 *The external AC/DC power supply can only be used in regions where a specific AC power cord is available.

 **These power cords are also used for DC models with an external AC/DC power supply.

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

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