ACCEDIAN NETWORKS

Summary Datasheet

GX

Models GX, GX-S

Network Performance Element

Benefits

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

- Ethernet ring support for resilient & protected access
- MEF 10.3 based H-QoS maximizes use of available bandwidth
- Layer 3, standards-based TWAMP Light monitoring support complements Layer 2 Ethernet Service OAM feature set 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, utilization, availability and more simplify troubleshooting of asymmetric services & networks
- 2 available port configurations provide flexible media options

The GX is Accedian's latest generation Network Performance Element, with a unique combination of ultra-low latency networking, microsecond-level measurement precision and hardware-based traffic conditioning in a compact, 8-port unit.

The GX seamlessly interoperates in multi-vendor deployments with standards-based Carrier Ethernet networking, performance monitoring, OAM and traffic conditioning powered by Accedian's unique ultra-low latency, programmable FPGA architecture. Fully integrated with Accedian's automation and performance platforms, GX units support Plug & Go™ instant provisioning, turn-up test automation, real-time QoS visualization and sophisticated fault isolation capabilities.

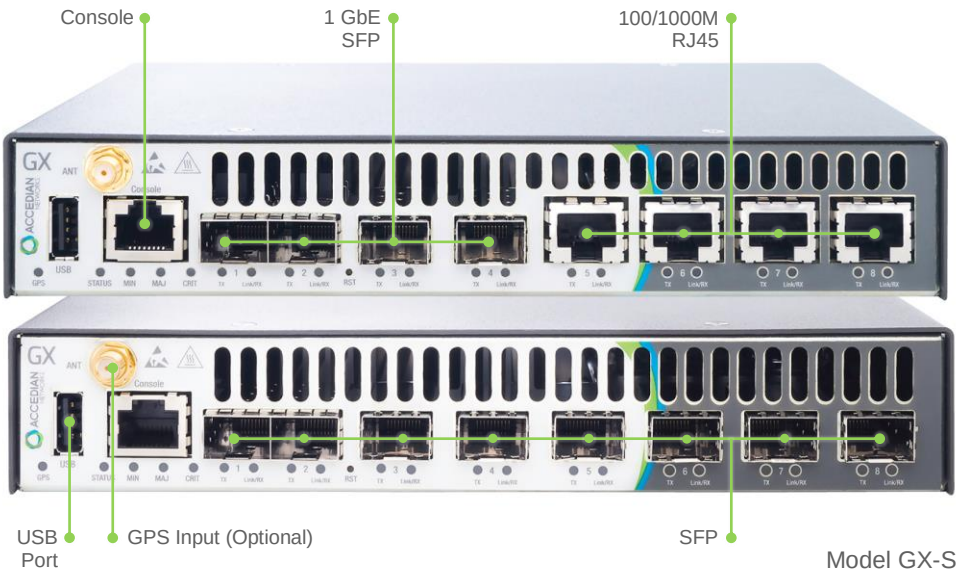
Key Applications

Leveraging high performance ITU-T G.8032v2 ring protection with sub 50ms failover switching, the Accedian GX Network Performance Element can be used to extend highly-resilient protected services in mobile backhaul and business services applications. Ring support can also be used to deliver protected last-mile links.

Switch-free aggregation, granular L2-4 traffic conditioning and MEF 2.0 hierarchical-QoS flow prioritization also make the GX an important part of many providers' virtual CPE (vCPE) strategies as their single on-premise Element.

The GX 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.

Model GX



Model GX-S

Specifications

Power & Connectivity	
AC Input	100-240 VAC, 50-60 Hz, 1.2-0.5 A
DC Input	Dual (A/B), 20-57 VDC, 2.3 A Max For centralized DC power connections, the equipment must be installed in a Restricted Access Location
Aux Input	24 VDC, 1.7A Max
Power Consumption	<40 watts
Maximum SFP Socket Power Consumption	1.5 watts for NNI ports, 1.05 watts for UNI ports
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 3.0lbs
Environmental	
Standard Ambient Operating Temperature	0°C to +40°C (When using the internal AC power supply) 0°C to +40°C (When using the external AC/DC power supply) 0°C to +50°C (When using the DC power supply)
Hardened Ambient Operating Temperature Range	-40°C to +65°C (-H models only)
Storage Temperature	-40°C to +70°C
Operating/Storage Humidity	5-95% RH, non-condensing
Regulatory and Certification	
Certification Safety Model Name (Unique Identifier): NID5 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 Complian NEBS Level Compliant with MEF20 (UNI Type II) Compliant with MEF22 (Ethernet Mobile Backhaul) Contact Accedian for others market(s) certification's status Contact Accedian for others market(s) certification's status	

GX Models

Model	Copper Interfaces (RJ-45)	Optical Interfaces (SFP)	Temperature Hardened	GPS	SyncE	Part Number
GX DC	4	4				727-020
GX-H DC	4	4	•			727-120
GX-G DC	4	4		•		727-220
GX-GH DC	4	4	•	•		727-320
GX-Y DC	4	4			•	727-420
GX-YH DC	4	4	•		•	727-520
GX AC	4	4				727-040
GX-G AC	4	4		•		727-240
GX-Y AC	4	4			•	727-440

GX-S Models (all SFP)

Model	Copper Interfaces (RJ-45)	Optical Interfaces (SFP)	Temperature Hardened	GPS	SyncE	Part Number
GX-S DC	0	8				728-020
GX-SH DC	0	8	•			728-120
GX-SG DC	0	8		•		728-220
GX-SGH DC	0	8	•	•		728-320
GX-SY DC	0	8			•	728-420
GX-SYH DC	0	8	•		•	728-520
GX-S AC	0	8				728-040
GX-SG AC	0	8		•		728-240
GX-SY AC	0	8			•	728-440

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)*	720-0PR
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
2 to 4 pin adaptor - AC/DC power supply for GX	721-016
Y-Cable for redundant external P/S for GX	721-017

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 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