

LT



Previously the MetroNODE® LT

Network Performance Element

Benefits

Resilient networking, performance assurance and bandwidth optimization in an ultra-low latency, carrier-grade 10 Gbps Element:

- Ethernet Ring support with multi-tenant add/drop for resilient access & aggregation.
- 1-way latency, delay variation, availability, utilization and more simplify troubleshooting of asymmetric services & networks.
- H-QoS enforcement maximizes granular use of available bandwidth.
- Layer 2 Ethernet Service OAM & Layer 3 TWAMP Light performance monitoring offer total QoS visibility over multi-vendor, multi-layer networks.
- Built-in turn-up test suite eliminates the need for 10 Gbps test sets.
- Exceptional reliability and processing speed support mission-critical, ultra-low latency services.

The LT Network Performance Element is a compact, 10 GbE platform with ultra-low latency packet processing. Designed for high-availability, performance-assured applications requiring GbE & 10 GbE aggregation, the LT has been optimized for high-density monitoring and assured service delivery.

A programmable, patented dual-plane FPGA architecture powers the LT's unique combination of wire-speed Carrier Ethernet service delivery complemented by integrated Service Activation Testing (SAT), layer 2 Service OAM, layer 3 TWAMP Light monitoring and MEF 10.3 certified hierarchical QoS enforcement (H-QoS) - all the tools to establish, validate, monitor, aggregate and optimize L2 & L3 services in a single, compact unit.

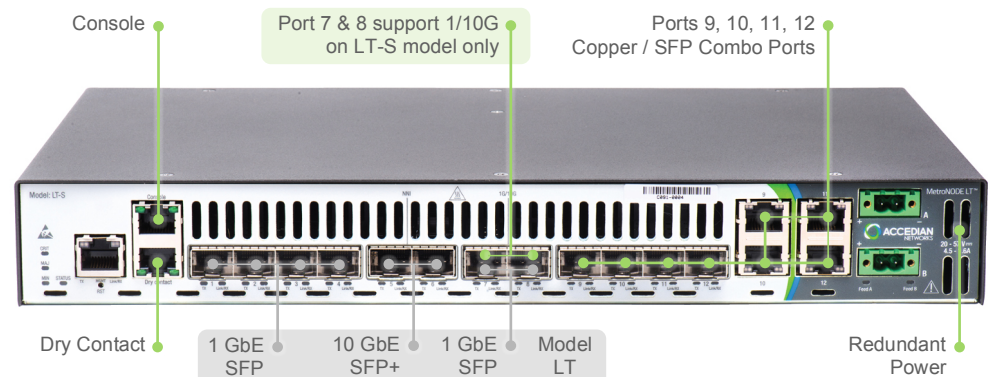
With G.8032v2 resilient Ethernet ring support and EVC add/drop capabilities, the LT provides network architects with a flexible and scalable alternative to switches and routers when delivering resilient services over optical ring topologies.

Key Applications

The LT's flexibility and standards-based performance assured networking feature set make it an ideal edge, aggregation or External-Network-to-Network Interface (ENNI) unit for demanding 3G/LTE wireless backhaul, SLA-backed business services, Ethernet wholesale and dark fiber termination applications. Switch-free-aggregation offers near-zero latency multi-tenant and multi-operator endpoints.

The LT's scalable flow-processing capabilities also make it an ideal head-end probe to establish μ -second precise, network-wide performance monitoring and for standards-based, automated turn-up testing to validate and benchmark SLAs.

The LT 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.



1/10 GbE SFP Ports (see ports details on page 2)

Specifications

Power & Connectivity	
Supply / Voltage	Dual (A/B) 20-57 VDC, 4.5 – 1.6A Max
Power Consumption	<90 watts
Heat Generation	<310 BTU per hour
Maximum SFP Socket Power Consumption	1.2 W per socket, commercial grade SFP (70°C) at +50°C ambient temperature 1.2 W per socket, industrial grade SFP (85°C) at +65°C ambient temperature
Maximum SFP+ Socket Power Consumption	2x2.5 W and 2x1.5 W per socket, commercial grade SFP+ (70°C) at +50°C ambient temperature 2x2.5 W and 2x1.5 W per socket, industrial grade SFP+ (85°C) at +65°C ambient temperature
Physical Specifications	
Dimensions	1.75" H x 13.0" W x 8.9" D in. (45 H x 330 W x 225 D mm)
Weight	2.7 kg or 6.0 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 (at Sea Level)	-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): NODE2	
IEC 60950-1 / UL 60950-1 / CSA C.22.2 No 60950-1	
FCC Part 15 Class A, ICES-003	
CE Marking and RoHS Compliant, WEEE Compliant	
Contact Accedian for others market(s) certification's status	
MTBF > 72 yrs at 25°C per Telcordia SR-332 method	
MTBF > 39.5 yrs at 40°C per Telcordia SR-332 method	

LT Models

Model	10G SFP+ NNI Interfaces	1G SFP UNI Interfaces	10G SFP+ UNI Interfaces	Copper / SFP Common Ports	Temperature Hardened	GPS	Part Number
LT	2	10	0	4			752-000
LT-H	2	10	0	4	•		752-100
LT-G	2	10	0	4		•	752-200
LT-GH	2	10	0	4	•	•	752-300

LT-S Models

Model	10G SFP+ NNI Interfaces	1G SFP UNI Interfaces	10G SFP+ UNI Interfaces	Copper / SFP Common Ports	Temperature Hardened	GPS	Part Number
LT-S	2	8	2	4			753-000
LT-SH	2	8	2	4	•		753-100
LT-SG	2	8	2	4		•	753-200
LT-SGH	2	8	2	4	•	•	753-300

Power Options & Accessories

Description	Part Number
AC/DC Power Supply Adapter with Power Cord (North America)	720-510
AC/DC Power Supply Adapter with Power Cord (Europe/Russia)	720-511
AC/DC Power Supply Adapter with Power Cord (UK)	720-512
AC/DC Power Supply Adapter with Power Cord (Japan)	720-513
AC/DC Power Supply Adapter with Power Cord (Singapore)	720-515
AC/DC Power Supply Adapter with Power Cord (Australia/New Zealand)	720-516
Replacement AC/DC Power Cord (North America)	721-500
Replacement AC/DC Power Cord (Europe/Russia)	721-501
Replacement AC/DC Power Cord (UK)	721-502
Replacement AC/DC Power Cord (Japan)	721-503
Replacement AC/DC Power Cord (Singapore)	721-505
Replacement AC/DC Power Cord (Australia/New Zealand)	721-506
Replacement Fan Kit (2 fans)	760-040
Universal 3-in-1 Bracket Kit (included with unit; only order as a replacement)	705-502



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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:

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