

All Path Testing™ Test Option

Simultaneous and Mixed Mapping Test

PLATFORMS



NIC®



NIC BP®



NIC Plus®



NIC EP™

MODULES



NextGen Multi-rate (NGMR)

KEY FEATURES

- Simultaneous testing of all HP/STS containers/SPEs (up to 192!)
- Supports any combination of homogenous or mixed mappings
- Auto-detection of mapping type and pattern (if standard PRBS type) for the entire bandwidth
- Service Disruption Measurement on all containers/SPEs simultaneously

All Path Testing™ (APT) with Mixed Mapping Support, Auto-Configure and Simultaneous Service Disruption Measurement is now available as a license-based Test Option for NIC NGMR modules. Features include:

Simultaneous Path Testing

A NIC with All Path Testing is the industry's only portable solution capable of testing all high-path containers/SPEs simultaneously - even with STS-1 Bulk/C-3 Bulk mappings, which translates to 192 simultaneous tests, including Bit Error Rate. Moreover, each path can be configured separately with any test pattern desired.

Mixed Mapping Support

The All Path Testing Test Option supports any combination of high-path mapping types, homogeneous and mixed, simultaneously.

Auto-Configure

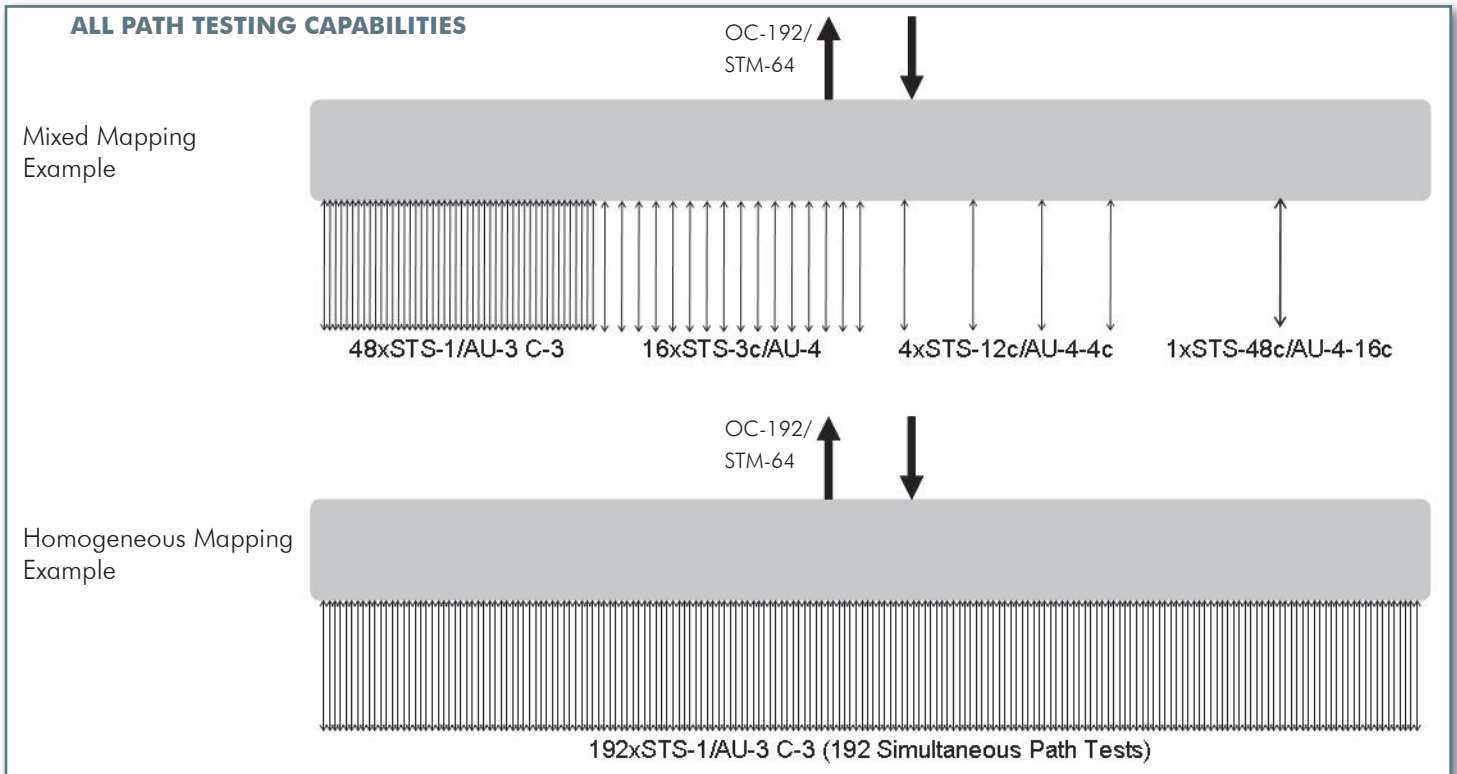
The auto config feature will detect any combination of high-path mapping types. If these AU/Containers/SPEs are bulk filled mappings with standard PRBS pattern, then payload type will also be detected. The auto-configure will then setup both transmit and receive to match the detected mapping types and begin testing.

Simultaneous Service Disruption Measurement

With all Bit Error Rate tests running simultaneously, the NIC can also be configured to measure service disruption events on all paths simultaneously. With selectable criteria, All Path Testing detects single or multiple disruptions, reporting the latest event, shortest, longest and average events.

All Path Testing™ Test Option

Simultaneous and Mixed Mapping Test



SPECIFICATIONS

Rates	STM-64/OC-192, STM-16/OC-48, STM-4/OC-12, STM-1/OC-3	PRBS20, PRBS20inv, PRBS23, PRBS23inv, PRBS31, PRBS31inv,
Mapping	AU-4-64c, AU-4-16c, AU-4-4c, AU-4, AU-3 C-3, STS-192c, STS-48c, STS-12c, STS-3c, STS-1	USER Defined. In addition, one payload may be GFP
TX Payload Generation	<p>Payload may be specified for each contain SPE individually:</p> <p>PRBS9, PRBS9inv, PRBS11, PRBS11inv, PRBS15, PRBS15inv,</p> <p>PRBS20, PRBS20inv, PRBS23, PRBS23inv, PRBS31, PRBS31inv,</p> <p>USER Defined. In addition, one payload may be GFP</p>	<p>Simultaneous Error Detection On all paths: Bit, B3, REI, TC-IEC, TX-REI, TC-OEI</p> <p>Simultaneous Alarm Detection On all paths: AIS, RDI, LOP, UNEQ, TC-RDI, TC-ODI, TC-AIS</p> <p>Simultaneous Monitoring Of all paths: Overhead, J1 Trace, Tandem Connection Trace, Pointer justifications, NDF</p>
RX Payload Analysis	<p>Payload may be specified for each contain SPE individually:</p> <p>LIVE, PRBS9, PRBS9inv, PRBS11, PRBS11inv, PRBS15, PRBS15inv,</p>	<p>Parallel Service Disruption Criteria For individual paths: AIS-P, PRBS independently selected per container/SPE</p>

For more information or a sales quote, visit www.lightwave.com/contact or email dlsales@lightwave.com



Corporate Headquarters
5775 Rio Vista Drive
Clearwater, FL 33760, USA
Toll free: +1.877.442.DIGL
T: +1.727.442.6677
F: +1.727.536.3541

International Headquarters
Jebel Ali Free Zone
P.O. Box 261 126
Dubai, U.A.E.
T: +971.4.3606013
F: +971.4.3606014

Latin American Headquarters
Capulin #1, Tabla Honda
Tlalnepanitla C.P. 54126
Mexico
T: +52.55.2207-1500
F: +1.727.442.5660