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Find the *Digital Lightwave NIC 10G* at our website: ***Click HERE***

The NIC 10G

The Digital Lightwave NIC 10G Network Information Computer is an intuitive portable testing platform for high-speed OTN, SONET/SDH, and POS networks.

The Digital Lightwave NIC 10G® Network Information Computer® is a portable instrument for verifying and qualifying the performance of G.709 OTN (OTU 1 and OTU 2), OC-192c/OC-48c SONET, STM-64/STM-16 SDH, POS and DWDM telecommunications networks.

The NIC 10G is the most compact and cost-effective diagnostic platform for OTN and 10/2.5 Gbps on the market. An intuitive touch-sensitive GUI enables technicians of any experience level to effectively operate the NIC 10G, minimizing training costs.

Equipped with both OTN OTU 1 and OTU 2 capabilities, the NIC 10G is more comprehensive, significantly lighter, and less expensive than competing models. Its flexible software/firmware-based design lets you configure the NIC 10G to meet your current needs, then upgrade quickly and inexpensively as your network environment changes.

The NIC 10G is also fully interoperable with the entire NIC product line, providing a broad range of diagnostic capabilities—from DS0/64 Kbps through 10.7/10G rates, including OTN, GigE, ATM, POS, and OSA.

Combining innovative features, functionality and performance into a single cost-effective product, the NIC 10G is the most advanced high-speed testing platform available today.



Network Information Computer (NIC 10G)

Digital Lightwave®

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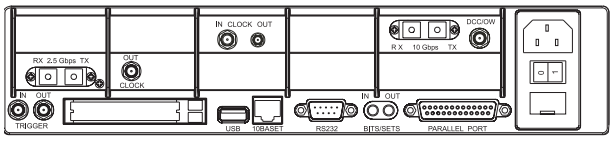
The NIC 10G

The Network Information Computer product family is a comprehensive line of portable analyzers used during the design, manufacture, installation, and maintenance of global fiber-optic networks, including G.709 OTN (OTU 1 and OTU 2), SONET/SDH, DWDM/OSA, GigE, ATM, POS, Jitter, and T/E-Carrier.

Major Features:

- OC-192/STM-64 and OC-48/STM-16 SONET/SDH protocol processors (includes concatenated payload support)
- 10.7 Gbps OTU 2 analysis (optional)
- 2.67 Gbps OTU 1 analysis (optional)
- FEC code RS (255/239)
- OC-48/STM-16 add/drop
- OC-192/STM-64 through-mode with overhead manipulation
- OC-192/STM-64 1310 or 1550 nm wavelength laser
- OC-48/STM-16 1310 nm, 1550 nm or switchable wavelength laser option
- Packet over SONET/SDH (POS) for 10G rates (optional)
- OC-192/STM-64 to STS-1/STM-0 mapping (optional)
- Round-trip delay measurement capabilities at 2.5 and 10 Gbps
- Auto configuration to pattern level
- Tandem connection monitoring (TCM), automatic protection switching (APS), and STS/AU pointer sequencing
- Alarm/error generation and analysis
- Built-in optical power and frequency measurement
- Troublescan
- A 10.4-inch active matrix color display with touch screen
- Graphical switch matrix, graphical results
- Remote control GUI
- SCPI over GPIB, TCP/IP, or RS-232c
- Software/firmware upgradeable via Web





Connector Panel

General Specifications

Operating Temperature: 0° to 40° C @ 85% RH
Storage Temperature: -20° to 60° C @ 95% RH
Power Requirements: 100-120 and 200-240 VAC, 50-60 Hz
Dimensions: 10.1 H x 12.3 W x 4.7 D in (257 x 312 x 120 mm)
Weight: Approximately 12 pounds

Auxiliary Interfaces

RS-232: DB-9
Parallel Port: DB-25
USB
Input/Output Trigger: SMA
10G Clock Out
2.5G Clock Out
BITS/SETS Clock: Bantam
PCMCIA: Dual Slot: 2-Type II or 1-Type III
802.11B: Wireless LAN PCMCIA Support
10 BaseT: RJ-45

Ordering Information

For complete feature availability, ordering and pricing information, call your Digital Lightwave sales representative at +1 727 442 6677, or visit our Web site at www.lightwave.com.

Specifications are subject to change without notice.

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Digital Lightwave provides industry-leading products, technologies, and services for deploying and managing communications networks. Telecommunications service providers and equipment manufacturers rely on our offerings to develop, install, maintain, and manage high-performance networks. With a presence in more than 80 countries, Digital Lightwave enables customers to successfully implement global communications networks worldwide. To find the nearest sales office, please visit www.lightwave.com.

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