

## The NIC GigE

The Digital Lightwave NIC GigE Network Information Computer is a truly portable intuitive testing platform for 10/100/1000 and 10 Gbps LAN/WAN Ethernet networks

### Now with Industry-leading High-density Ethernet

The Digital Lightwave NIC GigE™ Network Information Computer® is a portable instrument for verifying and qualifying the performance of telecommunications networks and embedded network elements.

The NIC GigE enables service providers to perform packet-level testing, as well as BER testing on both 10/100/1000 and 10 Gbps traffic. It allows them to test through the network to the drop point at the enterprise, thus validating quality and delivery to the customer premise.

Supporting 10/100/1000 and 10 Gbps line rates, the NIC GigE offers comprehensive RFC 2544 and APS testing capabilities. The gigabit analysis also includes traffic stream generation with VLAN to fully test the integrity of Ethernet network performance.

New high-density Ethernet port offering facilitates user-accessible SFP modules, available in 850, 1310 and 1550; single-mode and multi-mode. Also available for use are eight RJ45 electrical ports.

The NIC GigE is easy to use, with intuitive touch-sensitive GUI capabilities that allow technicians of any experience level to operate the unit. The NIC GigE is also fully interoperable with the entire NIC product line, providing a broad range of diagnostic capabilities.



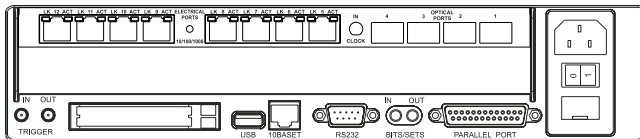
Network Information Computer (NIC GigE)

# The NIC GigE

The Network Information Computer product family is a comprehensive line of portable analyzers used during the design, manufacture, installation, and maintenance of global communications networks, including G.709, OTN (OTU 1 and OTU 2), SONET/SDH, DWDM/OSA, 10/100/1000, 10 Gbps LAN/WAN Ethernet, ATM, PoS, Jitter, and T/E-Carrier.

## Major Features:

- Multiple concurrent user capability via remote control GUI or SCPI
- 10.4" active matrix color display with touch screen
- Dual-slot PCMCIA interface for modem and memory storage, GPIB
- Software/firmware-upgradeable via Web
- SCPI over GPIB, TCP/IP, or RS-232
- Eight 10/100/1000 ports
- Four 1GigE ports
- BERT test
- Ports include:
  - Traffic stream generation and analysis: 4 independent streams per port, supports VLAN
  - APS measurement support
  - RFC 2544 support, including throughput, latency, and packet loss
  - PING utility



Connector Panel\*

## General Specifications

Operating Temperature: 0° to 40° C at 85% RH  
 Storage Temperature: -20° to 60° C at 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: 10.5 lb

## Auxiliary Interfaces

RS-232 Async: DB-9  
 Parallel Port: DB-25  
 USB  
 Input/Output Trigger: SMA  
 802.11B: Wireless LAN  
 PCMCIA Support

PCMCIA: Dual-slot: 2-Type II or 1-Type III  
 10 BaseT: RJ-45  
 TX Clock Out/RX Clock Out (per GigE port)

## 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](http://www.lightwave.com).

\*Example configuration. Specifications are subject to change without notice.



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