

The NIC GigE

The Digital Lightwave NIC GigE Network Information Computer is a truly portable intuitive testing platform for 10/100/GigE Ethernet networks.

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 and gigabit Ethernet 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 and GigE 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.

The NIC GigE is equipped with four fully independent, factory-configurable ports. Two ports can be

configured individually as SX ports (multimode fiber, 850 nm), LX ports (single-mode fiber, 1310 nm), or ZX ports (single-mode fiber, 1550 nm), while the other two are RJ-45 10/100 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/GigE 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
- Quad independent ports: 2 (ZX, LX, or SX) and 2 10/100
- BERT test mode
- GigE 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



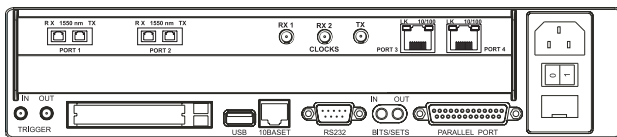
General Specifications

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)



Connector Panel*

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.

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



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