

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

DIGITAL LIGHTWAVE

Digital Lightwave NIC PLUS NXG N41B PORTABLE NETWORK INFORMATION

Digital Lightwave NIC PLUS NXG N41B PORTABLE NETWORK INFORMATION,"Comprehensive portable network analyzer for SONET and Ethernet testing. Offers high-speed performance metrics and fault detection tools. Ideal for service providers and field engineers ensuring network uptime and service quality."



MODEL

**Digital Lightwave
N41B**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N41B

LISTING

<https://aumictechlabs.com/products/n41b-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Digital Lightwave NIC PLUS NXG N41B is a portable network analyzer for field testing of SONET, SDH, Ethernet, and ATM networks. It delivers high-speed performance metrics and fault detection across DS0/64K through OC-192/STM-64 line rates, enabling service providers and field technicians to validate network uptime and service quality in real time. Technical Specifications SONET/SDH Support: DS0/64K through OC-192/STM-64 Ethernet Protocols: Gigabit Ethernet, 10G Ethernet ATM: Full support Maximum Line Rate: OC-192/STM-64 Optical Wavelengths: OC-192/STM-64 at 1550 nm; OC-48/STM-16 dual wavelength option at 1310/1550 nm Fiber Interfaces: Single-mode and multi-mode SFP+ for 1/10 Gbps Ethernet Copper Interface: RJ-45 port supporting 10/100 Mbps through 1/2.5/5/10 Gbps Multi-Gig networks Test Scripting: SONET and SDH specialized test scripting Integrated Measurements: Optical power and

frequency measurement Expansion: Dual slot PCMCIA interface for modem and memory storage
Power Input: 100–120 VAC and 200–240 VAC, 50–60 HzKey Features 10.4-inch active matrix color
touchscreen display Intuitive touch-sensitive GUI minimizes operator training Class 1 laser devices
(21 CFR 1040.10/1040.11 and EN60825-1: 1993 +A11+A2 compliant) Portable, lightweight form
factor Class A emissions product; EMC compliance requires cables not exceeding 3 metersTypical
Applications Field validation of SONET and SDH networks Gigabit and 10G Ethernet performance
testing ATM network diagnostics Multi-protocol fault detection and service quality
assuranceCompatibility & Integration The N41B interfaces with both optical and copper
infrastructure. PCMCIA expansion supports external storage and modem connectivity for remote
reporting. The device operates in non-outdoor environments and requires the supplied power
cord or country-certified equivalents.

Features & description

From manufacturer datasheet

Technical Specifications

SONET/SDH Support: DS0/64K through OC-192/STM-64 Ethernet Protocols: Gigabit Ethernet, 10G Ethernet ATM: Full support Maximum Line Rate: OC-192/STM-64 Optical Wavelengths: OC-192/STM-64 at 1550 nm; OC-48/STM-16 dual wavelength option at 1310/1550 nm Fiber Interfaces: Single-mode and multi-mode SFP+ for 1/10 Gbps Ethernet Copper Interface: RJ-45 port supporting 10/100 Mbps through 1/2.5/5/10 Gbps Multi-Gig networks Test Scripting: SONET and SDH specialized test scripting Integrated Measurements: Optical power and frequency measurement Expansion: Dual slot PCMCIA interface for modem and memory storage Power Input: 100–120 VAC and 200–240 VAC, 50–60 Hz

Key Features

10.4-inch active matrix color touchscreen display Intuitive touch-sensitive GUI minimizes operator training Class 1 laser devices (21 CFR 1040.10/1040.11 and EN60825-1: 1993 +A11+A2 compliant) Portable, lightweight form factor Class A emissions product; EMC compliance requires cables not exceeding 3 meters

Digital Lightwave N41B — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Digital Lightwave N41B. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1–3 business days after receipt. Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values Request Calibration → Request Repair Quote →

Digital Lightwave N41B price

This Digital Lightwave N41B is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Digital Lightwave N41B calibration cost

NIST-traceable calibration for the Digital Lightwave N41B is (standard — pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Applications

Field validation of SONET and SDH networks Gigabit and 10G Ethernet performance testing ATM network diagnostics Multi-protocol fault detection and service quality assurance Compatibility & Integration The N41B interfaces with both optical and copper infrastructure. PCMCIA expansion

supports external storage and modem connectivity for remote reporting. The device operates in non-outdoor environments and requires the supplied power cord or country-certified equivalents.

Unit notes

The Digital Lightwave NIC PLUS NXG N41B is a portable network analyzer for field testing of SONET, SDH, Ethernet, and ATM networks. It delivers high-speed performance metrics and fault detection across DS0/64K through OC-192/STM-64 line rates, enabling service providers and field technicians to validate network uptime and service quality in real time.

Technical Specifications

SONET/SDH Support: DS0/64K through OC-192/STM-64

Ethernet Protocols: Gigabit Ethernet, 10G Ethernet

ATM: Full support

Maximum Line Rate: OC-192/STM-64

Optical Wavelengths: OC-192/STM-64 at 1550 nm; OC-48/STM-16 dual wavelength option at 1310/1550 nm

Fiber Interfaces: Single-mode and multi-mode SFP+ for 1/10 Gbps

Ethernet Copper Interface: RJ-45 port supporting 10/100 Mbps through 1/2.5/5/10 Gbps

Multi-Gig networks

Test Scripting: SONET and SDH specialized test scripting

Integrated Measurements: Optical power and frequency measurement

Expansion: Dual slot PCMCIA interface for modem and memory storage

Power Input: 100–120 VAC and 200–240 VAC, 50–60 Hz

Key Features

10.4-inch active matrix color touchscreen display

Intuitive touch-sensitive GUI minimizes operator training

Class 1 laser devices (21 CFR 1040.10/1040.11 and EN60825-1: 1993 +A11+A2 compliant)

Portable, lightweight form factor

Class A emissions product; EMC compliance requires cables not exceeding 3 meters

Typical Applications

Field validation of SONET and SDH networks

Gigabit and 10G Ethernet performance testing

ATM network diagnostics

Multi-protoc

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Digital Lightwave NIC PLUS NXG N41B PORTABLE NETWORK INFORMATION,"Comprehensive portable network analyzer for SONET and Ethernet testing. Offers high-speed performance metrics and fault detection tools. Ideal for service providers and field engineers ensuring network uptime and service quality."

The Digital Lightwave NIC PLUS NXG N41B is a portable network analyzer for field testing of SONET, SDH, Ethernet, and ATM networks. It delivers high-speed performance metrics and fault detection across DS0/64K through OC-192/STM-64 line rates, enabling service providers and field technicians to validate network uptime and service quality in real time.

Compatibility & Integration The N41B interfaces with both optical and copper infrastructure. PCMCIA expansion supports external storage and modem connectivity for remote reporting. The device operates in non-outdoor environments and requires the supplied power cord or country-certified equivalents.

Aumictech offers NIST-traceable calibration and repair for the Digital Lightwave N41B. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1-3 business days after receipt.

Technical Specifications

SONET/SDH Support: DS0/64K through OC-192/STM-64 Ethernet Protocols: Gigabit Ethernet, 10G Ethernet ATM: Full support Maximum Line Rate: OC-192/STM-64 Optical Wavelengths: OC-192/STM-64 at 1550 nm; OC-48/STM-16 dual wavelength option at 1310/1550 nm Fiber Interfaces: Single-mode and multi-mode SFP+ for 1/10 Gbps Ethernet Copper Interface: RJ-45 port supporting 10/100 Mbps through 1/2.5/5/10 Gbps Multi-Gig networks Test Scripting: SONET and SDH specialized test scripting Integrated Measurements: Optical power and frequency measurement Expansion: Dual slot PCMCIA interface for modem and memory storage Power Input: 100-120 VAC and 200-240 VAC, 50-60 Hz

Key Features

10.4-inch active matrix color touchscreen display Intuitive touch-sensitive GUI minimizes operator training Class 1 laser devices (21 CFR 1040.10/1040.11 and EN60825-1: 1993 +A11+A2 compliant) Portable, lightweight form factor Class A emissions product; EMC compliance requires cables not exceeding 3 meters

Digital Lightwave N41B – Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Digital Lightwave N41B. All calibrations are performed to NIST-traceable standards and ship with a certificate. Turnaround is typically 1-3 business days after receipt.

Standard Cal Pass/fail cert + NIST sticker Cal with Data Full NIST cert with measured values

[Request Calibration](#) → [Request Repair Quote](#) →

Digital Lightwave N41B price

This Digital Lightwave N41B is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Digital Lightwave N41B calibration cost

NIST-traceable calibration for the Digital Lightwave N41B is (standard – pass/fail certificate and calibration sticker) or (full measured data at every test point, reference standards documented, traceability chain included). Turnaround is 1 to 3 business days after receipt. See full calibration details →

Applications

Field validation of SONET and SDH networks Gigabit and 10G Ethernet performance testing ATM network diagnostics Multi-protocol fault detection and service quality assurance

Compatibility & Integration The N41B interfaces with both optical and copper infrastructure. PCMCIA expansion supports external storage and modem connectivity for remote reporting. The device operates in non-outdoor environments and requires the supplied power cord or country-certified equivalents.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 12, 2026

Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.