

**Aumictech**

Test & measurement · bought, sold, repaired, calibrated

Data Sheet

August 12, 2026

DIGITAL LIGHTWAVE

Digital Lightwave NIC NXG N88 PORTABLE NETWORK INFORMATION

Digital Lightwave NIC NXG N88 PORTABLE NETWORK INFORMATION, Multi-service network analyzer module supporting 10G/40G/100G testing. Provides advanced protocol analysis and impairment testing functions. The versatile solution enables complete network validation for modern high-speed communication systems.



MODEL

**Digital Lightwave
N88**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

N88

LISTING

<https://aumictechlabs.com/products/n88-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Digital Lightwave NIC NXG N88 is a portable, modular network analyzer designed for protocol analysis and impairment testing across modern high-speed communication systems. Supporting data rates to 112G, this software-based platform validates Ethernet, Fibre Channel, OTN, SONET/SDH, PDH/DSn, and ATM protocols. The NIC NXG N88 delivers BERT, jitter and wander analysis, VCAT/LCAS/GFP support, and ODU multiplexing with simultaneous generation and analysis. Its 2-slot chassis fits under an airline seat with included carrying case, making it ideal for field deployment and network commissioning. Technical Specifications Supported Protocols: Ethernet (up to 100G), Fibre Channel, OTN

(OTU1/OTU2/OTU2e/OTU1e/OTU2f/OTU1f/OTU3/OTU3e1/OTU3e2/OTU4, G.709 rates 2.6G to 112G with FEC generation and analysis), SONET/SDH (51 Mbps, 155 Mbps, 622 Mbps, 2.5 Gbps, 10

Gbps), PDH/DSn, ATM Data Rate: Up to 112G Module Options: PDH/T-Carrier with optional jitter and wander testing, MSA 2020/2030, Optical Jitter and Wander, CSA 4100 40G/100G, OSA with C-Band and L-Band, Serial Interface Testing Capabilities: Protocol analysis, impairment testing, BERT (unframed OTN rates), jitter and wander testing, VCAT, LCAS, GFP, ODU multiplexingKey Features Connectivity: 10/100/1000BaseT ports (Ports 5–12), 10 Gigabit Ethernet optical port (Port 13), SC/ST/FC optical connectors, RS232 SCPI interface (9-pin male), USB and dual PCMCIA PC Card data acquisition Timing/Synchronization: BITS/SETS In/Out (Bantam jacks, 1.544 MHz and 2.048 MHz support), Trigger In/Out (SMA connectors), Clock Out (SMA) Power: 100–120 VAC or 200–240 VAC, 50–60 Hz; two 1.5 A Slo-Blo fuses (non-field serviceable) Form Factor: 2-slot portable chassis; 5-slot NIC Plus NXG configuration availableTypical Applications Network installation and commissioning, field maintenance and troubleshooting, protocol validation on high-speed optical and Ethernet circuits, ODU and SONET/SDH service monitoring.Compatibility & Integration Modular software-based architecture supports future protocol and rate upgrades. Extension of the established NIC product line with proven field reliability.

Features & description

From manufacturer datasheet

Technical Specifications

Supported Protocols: Ethernet (up to 100G), Fibre Channel, OTN (OTU1/OTU2/OTU2e/OTU1e/OTU2f/OTU1f/OTU3/OTU3e1/OTU3e2/OTU4, G.709 rates 2.6G to 112G with FEC generation and analysis), SONET/SDH (51 Mbps, 155 Mbps, 622 Mbps, 2.5 Gbps, 10 Gbps), PDH/DSn, ATM Data Rate: Up to 112G Module Options: PDH/T-Carrier with optional jitter and wander testing, MSA 2020/2030, Optical Jitter and Wander, CSA 4100 40G/100G, OSA with C-Band and L-Band, Serial Interface Testing Capabilities: Protocol analysis, impairment testing, BERT (unframed OTN rates), jitter and wander testing, VCAT, LCAS, GFP, ODU multiplexing

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Digital Lightwave N88 — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Digital Lightwave N88. 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 N88 price

This Digital Lightwave N88 is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Digital Lightwave N88 calibration cost

NIST-traceable calibration for the Digital Lightwave N88 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 →

Unit notes

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Technical Specifications

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Data Rate: Up to 112G

Module Options: PDH/T-Carrier with optional jitter and wander testing, MSA 2020/2030, Optical Jitter and Wander, CSA 4100 40G/100G, OSA with C-Band and L-Band, Serial Interface Testing

Capabilities: Protocol analysis, impairment testing, BERT (unframed OTN rates), jitter and wander testing, VCAT, LCAS, GFP, ODU multiplexing

Key Features

Connectivity: 10/100/1000BaseT ports (Ports 5–12), 10 Gigabit Ethernet optical port (Port 13), SC/ST/FC optical connectors, RS232 SCPI interface (9-pin male), USB and dual PCMCIA PC Card data acquisition

Timing/Synchronization: BITS/SETS In/Out (Bantam jacks, 1

N88 Specifications

PARAMETER	VALUE
Voltage / Current Range	100–120 VAC, 200–240 Vac, 50–60 Hz

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.

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Typical Applications Network installation and commissioning, field maintenance and troubleshooting, protocol validation on high-speed optical and Ethernet circuits, ODU and SONET/SDH service monitoring.

N88 Specifications

PARAMETER	VALUE
Voltage / Current Range	100-120 VAC, 200-240 Vac, 50-60 Hz

Technical Specifications

Supported Protocols: Ethernet (up to 100G), Fibre Channel, OTN (OTU1/OTU2/OTU2e/OTU1e/OTU2f/OTU1f/OTU3/OTU3e1/OTU3e2/OTU4, G.709 rates 2.6G to 112G with FEC generation and analysis), SONET/SDH (51 Mbps, 155 Mbps, 622 Mbps, 2.5 Gbps, 10 Gbps), PDH/DSn, ATM Data Rate: Up to 112G

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

Request Calibration → Request Repair Quote →

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Timing/Synchronization: BITS/SETS In/Out (Bantam jacks, 1

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

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