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Test & measurement · bought, sold, repaired, calibrated

Data Sheet
August 12, 2026

DIGITAL LIGHTWAVE

Digital Lightwave NIC PLUS XXH42XXXXX PORTABLE NETWORK INFORMATION

Digital Lightwave NIC PLUS XXH42XXXXX PORTABLE NETWORK INFORMATION,"Portable analyzer for high-speed network testing across multiple protocols. Delivers diagnostic capabilities for Ethernet, SONET, and SDH. Compact form factor with solid functionality for field and lab environments."

MODEL Digital Lightwave XXH42XXXXX	CALIBRATION Available on request
CONDITION Used	STATUS In stock
RFQ / SKU XXH42XXXXX	LISTING https://aumictechlabs.com/products/xxh42xxxxx-2/

NIST-traceable cal · SAM registered · 30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Digital Lightwave NIC PLUS XXH42XXXXX is a portable network analyzer for testing high-speed telecommunications and datacomm networks across Ethernet, SONET/SDH, OTN, and optical transport protocols. The five-slot modular chassis supports up to 8 different physical interface protocols in a single unit, enabling field circuit testing, network turn-up, production automation, and laboratory analysis. Its 10.4-inch color touchscreen display and remote control capability via NIC GUI and VNC support distributed testing workflows.Technical Specifications Protocol Support: Ethernet, SONET/SDH (OC-192c/OC-48c, STM-64/STM-16), DWDM, OTN, Fibre Channel (1G, 2G, 4G), PDH, ATM, Serial Interface, Ethernet over OTN, Fibre Channel over OTN, Ethernet over SDH over OTN, NGN mappings, with forward compatibility for 40 Gb/s, 43 Gb/s,

and 100 Gb/s Optical Interfaces: OC-192/STM-64 at 1550 nm; OC-48/STM-16 at 1310/1550 nm dual wavelength option Module Interfaces: SFP/SFP+ ports, QSFP28 ports, CFP4 ports Display: 10.4-inch active matrix color touchscreen Power: 100–120 VAC and 200–240 VAC, 50–60 Hz Connectivity: Dual slot PCMCIA interface; remote control supporting up to 9 simultaneous usersKey Features Modular design with hardware upgrade capability Optical Spectrum Analyzer (OSA) module for 1550 nm band measurements Multi-layer service testing with GFP/GMP mapping for Ethernet, 10 Gigabit Ethernet, and Fibre Channel Jitter and wander analysis PRBS testing per ITU-T O.151/O.152 Alarm and error generation and analysis Auto-configuration to pattern level Troublescan functionality Built-in optical power and frequency measurementTypical Applications Network turn-up and circuit commissioning Field troubleshooting and diagnostics Production line testing with automation support Laboratory multi-protocol analysisCompatibility & Integration Supports GFP/GMP service mapping at OTN or SONET/SDH interfaces. Dual wavelength laser options enable testing across 1310 nm and 1550 nm bands.

Features & description

From manufacturer datasheet

Technical Specifications

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Digital Lightwave XXH42XXXXX — Repair & Calibration Service

Aumictech offers NIST-traceable calibration and repair for the Digital Lightwave XXH42XXXXX. 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 XXH42XXXXX price

This Digital Lightwave XXH42XXXXX is listed at . Calibration is available separately from . Contact us for volume pricing or if you need multiple units.

Digital Lightwave XXH42XXXXX calibration cost

NIST-traceable calibration for the Digital Lightwave XXH42XXXXX 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

Network turn-up and circuit commissioning Field troubleshooting and diagnostics Production line testing with automation support Laboratory multi-protocol analysis Compatibility & Integration Supports

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Unit notes

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XXH42XXXXX Specifications

PARAMETER	VALUE
Voltage / Current Range	100–120 VAC, 200–240 Vac, 50–60 Hz | Wavelength Range: 1310 nm, 1550 nm

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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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
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