

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

DIGITAL LIGHTWAVE

Digital Lightwave ASA

Digital Lightwave ASA Optical Analyzer Module Queue model ASA is the Digital Lightwave ASA module. Remaining-queue title is Digital Lightwave ASA. Digital Lightwave ASA-class cards are analyzer/service modules for NIC/ASA optical transport test platforms. Exact rates, wavelengths, and connector are on the ASA faceplate. Optical transport analysis in Digital Lightwave NIC/ASA platforms that specify ASA. Instrument Type: optical analyzer / service module Queue model ASA is the Digital Lightwave ASA module. Remaining-queue title is Digital Lightwave ASA. Digital Lightwave ASA-class cards are analyzer/service modules for NIC/ASA optical transport test platforms. Exact rates, wavelengths, and connector are on the ASA faceplate. Optical transport analysis in Digital Lightwave NIC/ASA platforms that specify ASA. Instrument Type: optical analyzer / service module Literature: Digital Lightwave ASA remaining-queue listing



MODEL

Digital Lightwave ASA

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

ASA

LISTING

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

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Digital Lightwave ASA 312 Network Information Computer is a portable analyzer engineered for verification and qualification of telecommunications networks across DS0 through OC-48c protocols. It delivers simultaneous and independent testing of T-Carrier, SONET, and ATM signals - consolidating multiple traditional test sets into a single modular platform. The instrument features a 9.5-inch color touch-screen GUI with remote control capability, built-in optical and

electrical measurements, and SONET through-mode operation with overhead manipulation. Its flexible architecture supports field installation, monitoring, and maintenance workflows across evolving network environments. Technical Specifications Protocol Support DS0 through OC-48c T-Carrier: DS1/E1, DS3 SONET: STS-1, OC-1, OC-3, OC-12, OC-48 with STS-3c, STS-12c, STS-48c ATM: AAL0, AAL1, AAL5; traffic shaping; PVC/SVC; OAM; QoS measurements; HEC error generation; cell transfer delay Internal DS1/DS3 drop/insert from SONET with integrated M13 multiplexer Optical Interfaces SONET wavelengths: 1310 nm, 1550 nm, or switchable 1310/1550 nm OC-1/OC-3/OC-12 configurations available with 1310 nm laser Measurements & Analysis Optical power and frequency (built-in) Electrical power and frequency (built-in) Auto-configuration to pattern level Troublescan functionality Alarm and error generation/analysis Connectivity 10/100/1000BASE-T network interface SCPI over GPIB, TCP/IP, or RS-232c 3× USB ports; SD/SDHC slot; external VGA output (DE-15) PCMCIA interface for modem and memory Remote access via RS-232 or dial-up modem Optional 802.11 wireless via USB Trigger in/out Internal Stratum 3 clock; BITS/SETS/2.048 MHz Bantam/BNC clock I/O Display & Control 9.5-inch active matrix color touch-screen Intuitive touch-sensitive GUI with remote control Physical Specifications NIC: 257 mm H × 312 mm W × 120 mm D; 5.0–5.6 kg NIC+: 348 mm H × 330 mm W × 201 mm D; 6.5–11.34 kg Total weight range: 10.5–14 lbs depending on configuration Key Features Modular, configurable design for current deployment and future upgrades Simultaneous, independent multi-protocol testing Touch-screen interface and test-scripting for technician accessibility Portable form factor optimized for field operations Typical Applications T-Carrier, SONET, and ATM network installation and commissioning Circuit and path-level troubleshooting Continuous network monitoring and maintenance Embedded network element verification Compatibility & Integration Supports standard remote control via SCPI command set over multiple interfaces. Wired and wireless network connectivity enable integration with centralized management systems and field diagnostic workflows.

ASA Characteristics / Specifications

PARAMETER	VALUE
Model	ASA
Instrument Type	optical analyzer / service module
Manufacturer	Digital Lightwave
Literature	Digital Lightwave ASA remaining-queue listing
Family	Digital Lightwave ASA
Form Factor	optical test module
System Role	optical analyzer / service module
Brand Lineage	Digital Lightwave
Queue Title	Digital Lightwave ASA
Documentation Type	OEM ASA listing
Use Case	Optical transport analysis in Digital Lightwave NIC/ASA platforms that specify ASA
Vendor Path	Digital Lightwave
Year Class	ASA generation
Application Class	optical analyzer / service module
Module Class	optical analyzer / service module
Host Class	instrument host per drawing
Connector Class	connectors on the ASA drawing
Ate Class	optical transport test
Control Class	ASA front panel / firmware
Environment Class	ambient on the ASA sheet
Mains Class	mains on the ASA nameplate
Voltage Class	volts on the ASA nameplate
Current Class	amperes on the ASA nameplate
Rate Class	line rates on the ASA faceplate

PARAMETER	VALUE
Wavelength Class	wavelengths on the ASA faceplate

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.

Specifications	
Specifications	
PARAMETER	VALUE
Model	ASA
Instrument Type	optical analyzer / service module
Manufacturer	Digital Lightwave
Literature	Digital Lightwave ASA remaining-queue listing
Family	Digital Lightwave ASA
Form Factor	optical test module
System Role	optical analyzer / service module
Brand Lineage	Digital Lightwave
Queue Title	Digital Lightwave ASA
Documentation Type	OEM ASA listing
Use Case	Optical transport analysis in Digital Lightwave NIC/ASA platforms that specify ASA
Vendor Path	Digital Lightwave
Year Class	ASA generation
Application Class	optical analyzer / service module
Module Class	optical analyzer / service module
Host Class	instrument host per drawing
Connector Class	connectors on the ASA drawing
Ate Class	optical transport test
Control Class	ASA front panel / firmware
Environment Class	ambient on the ASA sheet
Mains Class	mains on the ASA nameplate
Voltage Class	volts on the ASA nameplate
Current Class	amperes on the ASA nameplate
Rate Class	line rates on the ASA faceplate
Wavelength Class	wavelengths on the ASA faceplate

Notes

From remaining-queue title (Digital Lightwave ASA). Line rates, wavelengths, and connector are on the ASA faceplate.

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 15, 2026

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