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Data Sheet

August 13, 2026

DIGITAL LIGHTWAVE

ASA-PKG-OC48 Digital Lightwave

ASA-PKG-OC48 Digital Lightwave, Supports OC48 data rate testing with integrated hardware and software tools. Facilitates protocol analysis and system verification.



MODEL

**Digital Lightwave
ASA-PKG-OC48**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

ASA-PKG-OC48

LISTING

<https://aumictechlabs.com/products/asa-pkg-oc48-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The ASA-PKG-OC48 is a Network Information Computer (NIC) and SONET/SDH test set engineered for protocol analysis and system verification across telecommunications networks. This portable instrument supports simultaneous, independent testing from DS0 through OC-48c (STM-16), including full ATM protocol stacks. The 9.5-inch active matrix color touch-screen display provides intuitive access to test configuration, real-time monitoring, and troubleshooting tools via graphical switch matrix interface.

Technical Specifications

Data Rate Support: DS0 through OC-48c (STM-16)

Protocol Support: SONET/SDH, ATM (AAL0, AAL1, AAL5), T-Carrier

Display: 9.5-inch active matrix color touch-screen with graphical user interface

Measurement Capabilities: Optical power, electrical power, and frequency measurements

Interfaces: PCMCIA, GPIB, TCP/IP, RS-232c

Physical Specifications: Compact portable package, 10.5 to 14 pounds depending on configuration

Key Features

- ATM support with AAL0, AAL1, AAL5 protocol variants
- Traffic shaping and quality of service (QoS) measurements
- PVC/SVC capability with OAM (Operations, Administration, and Maintenance)
- Header Error Control (HEC) error generation and

analysis Cell transfer delay measurement Alarm and error generation with real-time analysis SCPI remote control via GPIB, TCP/IP, or RS-232c Software/firmware upgrades via web interface Auto-configuration to pattern level Troublescan diagnostic softwareTypical Applications SONET/SDH network testing and commissioning ATM protocol validation and interoperability verification T-Carrier network troubleshooting Network element performance validation QoS and cell transfer delay analysisCompatibility & Integration The ASA-PKG-OC48 operates across SONET/SDH, ATM, and T-Carrier telecommunications networks. Remote control and automation integrate via standard SCPI commands over GPIB, TCP/IP, or RS-232c, enabling integration into larger test architectures and automated testing frameworks.

Features & description

From manufacturer datasheet

Features

- Rates DS1/DS3 through OC-48 (STS-48c class)
- 9.5-inch active-matrix color touch screen
- Built-in optical and electrical power/frequency measurements
- PCMCIA; remote GUI; SCPI automation
- Graphical switch-matrix test configuration
- Software/firmware upgradeable architecture

Applications

- SONET OC-48c installation and maintenance
- Simultaneous T-carrier / SONET / ATM troubleshooting
- Network element turn-up and Troublescan diagnostics
- Remote SCPI control over GPIB, TCP/IP, or RS-232

Built-in Measurements: Optical power; electrical power; frequency

ATM Support: AAL0/AAL1/AAL5; PVC/SVC; OAM; QoS (optioned) SONET Through-Mode: OC-48 with overhead manipulation Drop/Insert: Internal DS1 and DS3 from SONET; M13 Architecture:

Software/firmware-based multi-protocol processors Notes Specs from Digital Lightwave NIC ASA-312 / ASA-PKG-OC48 reseller and OEM feature lists. Laser wavelengths and licenses vary by unit—confirm Option/License screen.

ASAPKGOC48 Characteristics / Specifications

PARAMETER	VALUE
Model	ASA-PKG-OC48
Base Platform	NIC ASA-312 Network Information Computer
Manufacturer	Digital Lightwave
Instrument Type	Portable Multi-Protocol SONET / T-Carrier / ATM Test Set
Processor Class	486
Display	9.5-inch active matrix color touch-screen
Typical Weight	10.5 to 14 lb (configuration dependent)
Tx/Rx Rates	DS1; DS3; STSX-1; OC-1; OC-3; OC-12; OC-48
Concatenation	STS-3c; STS-12c; STS-48c class
Lower Protocol	DS0 licensed configurations available
Optical Interface	FC/PC class
Remote Control	SCPI over GPIB, TCP/IP, or RS-232c
Interface Expansion	PCMCIA
ATM Support	AAL0/AAL1/AAL5; PVC/SVC; OAM; QoS (optioned)
Drop/Insert	Internal DS1 and DS3 from SONET; M13
Architecture	Software/firmware-based multi-protocol processors Notes Specs from Digital Lightwave NIC ASA-312 / ASA-PKG-OC48 reseller and OEM feature lists. Laser wavelengths and licenses vary by unit—confirm Option/License screen.

ASAPKGOC48 Specifications

PARAMETER	VALUE
Applications	- SONET OC-48c installation and maintenance
Key Features	- Rates DS1/DS3 through OC-48 (STS-48c class)
Technical Specifications	Model: ASA-PKG-OC48

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

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Model	ASA-PKG-OC48
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Optical Interface	FC/PC class

OC-1/OC-3/OC-12 Laser Typical: 1310 nm
OC-48 Laser Typical: 1310 nm or 1550 nm (config dependent)
Remote Control: SCPI over GPIB, TCP/IP, or RS-232c
Interface Expansion: PCMCIA
Built-in Measurements: Optical power; electrical power; frequency
ATM Support: AAL0/AAL1/AAL5; PVC/SVC; OAM; QoS (optioned)
SONET Through-Mode: OC-48 with overhead manipulation
Drop/Insert: Internal DS1 and DS3 from SONET; M13
Architecture: Software/firmware-based multi-protocol processors

Notes
Specs from Digital Lightwave NIC ASA-312 / ASA-PKG-OC48 reseller and OEM feature lists. Laser wavelengths and licenses vary by unit-confirm Option/License screen.

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.