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Data Sheet

August 13, 2026

AGILENT

Agilent N1065A

Product family: E2156A E2158A Optical Amplifier Test Systems Front panel marking: N1065A Power Booster Test Set Optical connectors front: Input and Output Optical interface examples: FC/APC commonly fitted Front panel marking: N1065A Power Booster Test Set Optical connectors front: Input and Output Optical interface examples: FC/APC commonly fitted Modulation output connector: BNC buffered rear



MODEL

Agilent N1065A

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

N1065A

LISTING

<https://aumictechlabs.com/products/n1065a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent N1065A is a waveform generation and capture instrument designed for high-speed data analysis in digital communication systems. It enables engineers to perform eye diagram and jitter measurements essential for characterizing and validating high-speed digital interfaces. Technical Specifications The N1065A provides waveform generation and capture functionality optimized for high-speed digital communication analysis. Key Features Waveform generation and capture for real-time signal analysis Eye diagram measurement capability for digital interface validation Jitter measurement and characterization Integration with Agilent's test and measurement ecosystem Typical Applications High-speed digital interface characterization Eye diagram analysis for communication systems Jitter and timing analysis in digital data streams Digital communication system validation and debug Compatibility & Integration The N1065A integrates into Agilent's broader test and measurement infrastructure for digital communications

analysis. The instrument can function within system-level solutions for high-speed data evaluation in digital communication environments.

Features & description

From manufacturer datasheet

Features

- Broadband acousto-optic modulator with optical power booster
- Stand-alone operation without special host software
- Front panel optical Input and Output connectors
- Rear Modulation In and buffered Modulation Out BNC
- Designed for embedding in Agilent optical amplifier test sets
- Requires external 24 Vdc supply optical input and modulation signal

Applications

- Optical amplifier (EDFA) test systems E2156A/E2158A
- Acousto-optic modulation of DWDM or tunable laser sources
- Broadband EELED path modulation in amplifier test racks
- Stand-alone AOM and power booster service replacement modules

N1065A Characteristics / Specifications

PARAMETER	VALUE
Model	N1065A
Manufacturer	Agilent / Keysight / HP
Instrument Type	Acousto Optic Modulator and Power Booster
Alias	N1065A; N1065A Power Booster Test Set; Agilent N1065A
Product family	E2156A E2158A Optical Amplifier Test Systems
Front panel marking	N1065A Power Booster Test Set
Optical connectors front	Input and Output
Optical interface examples	FC/APC commonly fitted
Modulation input connector	BNC rear
Modulation output connector	BNC buffered rear
Power supply requirement	plus 24 Vdc
Stand alone software requirement	none
Required stimulus	optical input plus modulation signal
Host system AOM role example	DWDM or 8168F tunable laser path
Typical modulation source in system diagrams	33120A class generator
Marketing status	embedded in E2156A/E2158A sales not sold as catalog DCA plug-in
DCA mainframe compatibility	not an N1000A DCA-X plug-in module
Form	compact benchtop or rack accessory chassis
Optical function	AOM plus power booster
Control interface	modulation BNC only
Computer hookup required	no
Related test set	E2156A
Related test set alternate	E2158A / E2158-60001
Related source examples	DWDM source; 8168F TLS; EELED

PARAMETER	VALUE
Related product family codes	N1065A; E2156A; E2158A Notes Identity and interfaces from Agilent/Keysight N1065A Power Booster descriptions for E2156A/E2158A optical amplifier test systems (Artisan/Telnet OEM correspondence). NotaDCA sampling module despite occasional reseller DCA-adjacent listings. Confirm optical connector polish, 24 Vdc adapter, and host test-set role on the unit.

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	
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Notes

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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

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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.