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Data Sheet

August 15, 2026

AGILENT / KEYSIGHT

Agilent/Keysight 81619A Fabry-Perot Laser Source Module

Keysight 81619A Dual Optical Head Interface Module The Keysight 81619A is a dual-channel interface module that connects 8162x optical heads to 8163x 8164x or 8166x Lightwave mainframes; OEM 816x module literature requires heads to be operated through 81618A single or 81619A dual interfaces. Two-channel optical power measurements, dual-head comparison, and multi-head component loss testing on 8163/8164/8166 platforms. Instrument Type: Dual optical head interface module The Keysight 81619A is a dual-channel interface module that connects 8162x optical heads to 8163x 8164x or 8166x Lightwave mainframes; OEM 816x module literature requires heads to be operated through 81618A single or 81619A dual interfaces. Two-channel optical power measurements, dual-head comparison, and multi-head component loss testing on 8163/8164/8166 platforms. Instrument Type: Dual optical head interface module Compatible Mainframes: 8163A 8163B 8164A 8164B 8166A 8166B



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MODEL

**Agilent / Keysight
81619A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

81619A

LISTING

<https://aumictechlabs.com/products/81619a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Agilent/Keysight 81619A is a dual-channel interface module that bridges optical heads from the 8162x series to Agilent/Keysight mainframe systems. This module processes digital data exclusively and integrates into 8163x, 8164x, and 8166x series mainframes to enable multi-

channel optical measurement configurations. Technical Specifications Channels: 2 Optical Head Interfaces: 2 inputs Data Processing: Digital data only; no analog output Dimensions: 12.4 in. (L) × 1.25 in. (W) × 2.7 in. (H) Weight: 1 lb Storage & Shipment Temperature: -40°C to +70°C Operating Environment: Must remain within mainframe specifications Key Features Dual-channel optical head interface supports parallel measurement configurations Digital-only architecture ensures clean signal routing within mainframe systems Compact form factor (12.4 in. length) fits standard 8163x, 8164x, and 8166x chassis Lightweight construction (1 lb) minimizes bench footprint Wide storage temperature range (-40°C to +70°C) enables flexible deployment scenarios Typical Applications Multi-wavelength optical source characterization Simultaneous dual-channel optical power and wavelength measurement Lightwave system integration requiring modular measurement architecture Fabry-Perot laser source analysis within integrated test platforms Compatibility & Integration The 81619A accepts all 8162x optical heads, including 8162xA and 8162xB series variants. It installs directly into Agilent/Keysight 8163A/B, 8164A/B, and 8166A/B mainframes. Operating environment specifications must conform to the relevant mainframe documentation to maintain performance and measurement accuracy.

81619A Characteristics / Specifications

PARAMETER	VALUE
Instrument Type	Dual optical head interface module
Channels	2
Compatible Mainframes	8163A 8163B 8164A 8164B 8166A 8166B
Compatible Head Family	8162x optical heads
Compatible Head 81623B Detector	Ge
Compatible Head 81623B Power Range	plus 10 dBm to minus 80 dBm
Compatible Head 81624B Detector	5 mm InGaAs
Compatible Head 81624B Power Range	plus 10 dBm to minus 90 dBm
Compatible Head 81626B Detector	InGaAs
Compatible Head 81626B Power Range	plus 27 dBm to minus 70 dBm
Compatible Head 81628B Detector	InGaAs
Compatible Head 81628B Power Range	plus 40 dBm to minus 60 dBm
Interface Role	Single 81618A or Dual 81619A required for all optical heads per OEM
Platform Family	Agilent 816x Lightwave Measurement System
Module Form	Plug-in interface for optical heads
Head Count Supported	dual
Mainframe Slot Class	8163 8164 8166 series module bay
Measurement Function Via Heads	optical power
Related Single Interface	81618A
Head Connector Path	via interface module to mainframe
System Use	power and loss characterization with optical heads
Documentation Scope	816x modules selected specifications
Oem Cross Reference	heads must use 81618A or 81619A
Channel Density	two head ports
Upgrade Path Class	works with later 8162xBandCheads on same interfaces

81619A Specifications

PARAMETER	VALUE
Keysight 81619A Dual Optical Head Interface Module	Overview
Applications	Two-channel optical power measurements, dual-head comparison, and multi-head component loss testing on 8163/8164/8166 platforms.
Dual optical head interface	Compatible with 8162x heads
Technical Specifications	Instrument Type: Dual optical head interface module

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

Identity and compatible-head numeric ranges from Agilent 816x modules selected specifications literature stating heads operate with 81618A/81619A interfaces. The 81619A itself is a dual interface module, not a Fabry-Perot laser source.

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.