

KEYSIGHT TECHNOLOGIES (AGILENT HP)

81619A

The Keysight (formerly Agilent) 81619A is a dual-channel optical head interface module designed for use with the 8163A/B, 8164A/B, and 8166A/B Lightwave mainframes. It enables the connection of two independent 8162x series optical heads, providing flexible, high-performance power measurements in a single-slot form factor without occupying multiple mainframe slots.

SPECIFICATIONS

General

Interfaces	None (uses internal proprietary backplane interface)
Display	None (uses mainframe display)

Physical

Power Supply	Powered via mainframe backplane
Operating Temperature	0 °C to +45 °C °C
Dimensions (W×H×D)	32 mm × 75 mm × 335 mm mm
Weight	< 0.5 kg kg

Configuration

Number of Channels	2
Mainframe Slot Occupancy	1 slot

Compatibility

Compatible Optical Heads	Keysight / Agilent 8162x series (e.g., 81620A/B, 81623A/B, 81624A/B, 81625A, 81626A/B, 81628A/B)
Mainframe Compatibility	Keysight / Agilent 8163A/B, 8164A/B, 8166A/B

Measurement Performance

Averaging Time Range	100 µs to 10 s (dependent on mainframe/head)
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Optical Performance

Wavelength Range	800 nm to 1700 nm (optical head dependent)
Power Measurement Range	-90 dBm to +40 dBm (optical head dependent)

Connectivity

Sensor Input Connectors	2× D-Sub connectors (one per channel, on front panel)
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Environmental

Storage Temperature Range	-40 °C to +70 °C
Humidity	Non-condensing

TECHNOLOGY

Fiber Optic Measurement

APPLICATIONS

Optical Power Measurement Interface

Generated by SpecAtlasHub (specatlashub.com). Specifications are compiled from available sources and are subject to change — verify critical values against the manufacturer before purchase.