

KEYSIGHT TECHNOLOGIES (AGILENT HP)

81618A

The Keysight 81618A is a single-channel optical head interface module. It is designed to connect Keysight/Agilent 8162x series optical heads to the 8163A/B, 8164A/B, or 8166A/B mainframe systems.

SPECIFICATIONS

General

Interfaces	1 x Optical Head Connector (proprietary connection for 8162x series), Mainframe Backplane Interface
Display	None (utilizes the mainframe display)
Storage Temperature	-40 °C to +70 °C

Physical

Power Supply	Powered directly through the mainframe backplane slot
Operating Temperature	0 °C to 55 °C °C
Dimensions (W×H×D)	75 mm × 32 mm × 335 mm mm
Weight	0.5 kg kg

System Configuration

Number of Channels	1
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Compatibility & System Accessories

Compatible Mainframe Models	8163A, 8163B, 8164A, 8164B, 8166A, 8166B
Compatible Optical Head Models	All Keysight/Agilent 8162x series (including 81620B, 81623B, 81624B, 81625B, 81626B, 81628B and legacy A-series equivalents)

Physical & Mechanical Properties

Module Slot Occupancy	1 standard mainframe slot
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Connectivity

Optical Head Connector	25-pin D-Sub
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Performance

Averaging Time	100 μs to 10 s
Warm-up Time	1 hour

Analog Output

Analog Output Voltage Range	0 to 2 V into open circuit
Analog Output Impedance	100 Ω (nominal)
Analog Output Connector	BNC

Environmental

Operating Humidity	< 95% R.H. (non-condensing)
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TECHNOLOGY

Optical Power Measurement Interface

APPLICATIONS

Connecting Keysight 8162x series optical heads to mainframe systems for high-precision optical power measurements

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