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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) M9048A PCIe Desktop Adapter

Keysight / Agilent M9048A PCIe Desktop Adapter The M9048A isaGen 2 ×8 PCIe desktop host adapter used to connect an external PC to Keysight AXIe/PXIe chassis (e.g. M9502A/M9505A) viaaPCIe cable such as Y1202A. The M9048A isaGen 2 ×8 PCIe desktop host adapter used to connect an external PC to Keysight AXIe/PXIe chassis (e.g. M9502A/M9505A) viaaPCIe cable such as Y1202A.



MODEL

**Keysight / Agilent
M9048A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

M9048A

LISTING

<https://aumictechlabs.com/products/m9048a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight (Agilent) M9048A is a PCIe x8 desktop adapter card that bridges host computers to external AXIe and PXIe instrument chassis. Operating at Gen 2 signaling speeds, it delivers up to 4 GB/s aggregate bandwidth (5 Gb/s per lane) over a maximum 2 meter passive PCIe cable. The adapter incorporates a PCIe switch with clock isolation to maintain stable timing independent of the host computer's clock source, ensuring consistent measurement performance across diverse system configurations. Technical Specifications PCIe Interface: x8 Gen 2 signaling (x8 or x16 slot compatible; x16 slot does not increase performance) Data Bandwidth: Up to 4 GB/s aggregate (5 Gb/s per lane) Cable Connector: x8 Molex, maximum passive cable length 2 meters Power Consumption: 7 W Operating Temperature: 0 °C to 55 °C Operating Humidity: Up to 95% relative humidity Physical Dimensions: Approximately 2.2 × 4.5 inches Form Factor: Low-profile PCIe

cardKey Features PCIe switch with integrated clock isolation for timing stability Transparent software operation - no drivers required Supports PCIe Gen 1 and Gen 2 signaling Low-profile bracket compatible with both low-profile and standard chassis configurations Requires x8 to x8 PCIe cables rated for Gen 2 operationTypical Applications Integration of modular test and measurement systems into desktop or rack-mounted computing platforms. Direct connection to AXIe chassis (M9502A, M9505A) or PXIe chassis via compatible cable interface modules (M9021A).Compatibility & Integration Host Systems: Windows 7 and Windows 10 (32-bit and 64-bit) Supported Chassis: AXIe (M9502A/M9505A) and PXIe systems with M9021A PCIe cable interface Recommended Cables: Keysight Y1202A (x8 to x8, Gen 2 rated)

Features & description

From manufacturer datasheet

Features

• Form: desktop PC PCIe adapter card • Link: PCIe Gen 2, x8 • Typical partner chassis: M9502A / M9505A AXIe • Recommended cable: Y1202A PCIe x8, 2.0 m • Related: M9048B successor in some guides; M9045B ExpressCard Gen 1 alternative • Role: host-side interface for modular system control

Applications

• External PC control of AXIe chassis • High-bandwidth host link for modular instruments • Pair with Y1202A x8 PCIe cable (2.0 m)

M9048A Characteristics / Specifications

PARAMETER	VALUE
Model	M9048A
Manufacturer	Keysight / Agilent
Instrument Type	PCIe Desktop Host Adapter
Alias	M9048A; Keysight M9048A
PCIe generation	Gen 2
Lane width	x8
Form	desktop PC PCIe adapter card
Cable partner	Y1202A x8 2.0 m Notes Specs from Keysight M9502A/M9505A chassis configuration literature and interface module datasheets. Confirm cable and chassis pairing on the unit.
Link	PCIe Gen 2, x8
Typical partner chassis	M9502A / M9505A AXIe
Recommended cable	Y1202A PCIe x8, 2.0 m
Related	M9048B successor in some guides; M9045B ExpressCard Gen 1 alternative
Role	host-side interface for modular system control
Bandwidth	host link for modular instruments - Pair with Y1202A x8 PCIe cable (2.0 m)

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

PARAMETER	VALUE
Model	M9048A
Manufacturer	Keysight / Agilent
Instrument Type	PCIe Desktop Host Adapter
Alias	M9048A; Keysight M9048A

Specifications

PARAMETER	VALUE
PCIe generation	Gen 2
Lane width	x8
Form	desktop PC adapter
Cable partner	Y1202A x8 2.0 m

Notes

Specs from Keysight M9502A/M9505A chassis configuration literature and interface module datasheets. Confirm cable and chassis pairing on the unit.

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.