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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) M9021A PCIe Cable Interface

Keysight / Agilent M9021A PCIe Cable Interface The M9021A isaKeysight PCIe cable interface module used in modular PXI/AXIe system interconnect architectures to provideacabled PCIe link between host adapters and chassis system modules. The M9021A isaKeysight PCIe cable interface module used in modular PXI/AXIe system interconnect architectures to provideacabled PCIe link between host adapters and chassis system modules.



MODEL

**Keysight / Agilent
M9021A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

M9021A

LISTING

<https://aumictechlabs.com/products/m9021a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight M9021A PCIe Cable Interface is a 3U, single-slot module that establishes extended-distance PCIe connectivity between a Keysight M9018A PXIe Chassis and an external host computer. It has transparent access to all PXI and PXIe modules within the chassis, enabling remote instrument control and high-speed data transfer via cabled PCIe links up to 2 meters in length. Technical Specifications PCIe Architecture: Gen 2, x8 lane configuration Per-Lane Data Rate: 5 GT/s Maximum Data Bandwidth: 4 GB/s (external computer to PXIe backplane); 2 GB/s (between chassis) Power Consumption: 5 W (typical) Power Supply: 3.3V and 12V from M9018A chassis backplane top connector Operating Temperature Range: 0 to 55 °C Form Factor: 3U PXI, occupies one slot Key Features Front panel x8 PCIe iPass connector for host connection Direct x8 link to PXIe backplane Compatible with x8 cabled PCIe connectors and passive cables up to 2

meters Switchable configuration: Target mode (slot 1) or Host mode (hybrid slots 2, 6, 11, 15) via S301 DIP switch selection Typical power draw of 5 W minimizes thermal load on chassis Interfaces & Cabling Single x8 PCIe iPass front panel connector External connection via standard x8 cabled PCIe cable Keysight Y1202A (2 meter, x8) and 0.5 meter x8 PCIe cables available as accessories Compatibility & Integration Designed exclusively for the M9018A PXIe Chassis; not compatible with standard PXIe system slots in other platforms Pairs with Keysight M9048A Gen 2 x8 Host PC card for optimal performance Supports Windows 7 and Windows 10 (32-bit and 64-bit editions) Compatible with IVI-COM, LabVIEW, and IVI-C compliant drivers Required power sequencing: power on chassis before host PC; power down host PC before chassis

Features & description

From manufacturer datasheet

Features

- Function: PCIe cable interface
- Ecosystem: Keysight PXI / AXIe modular interface family
- Related modules: M9022A/M9023A/M9024A PXIe system modules; M9048x host adapters
- Role: physical PCIe cable interconnect in multi-chassis / remote-PC configurations

Applications

- Cabled PCIe interconnect in modular test systems
- Host-to-chassis or chassis-to-chassis PCIe linking (system-dependent)
- Pairing with Keysight PCIe host adapters and PXIe/AXIe system modules

M9021A Characteristics / Specifications

PARAMETER	VALUE
Model	M9021A
Manufacturer	Keysight / Agilent
Instrument Type	PCIe Cable Interface Module
Alias	M9021A; Keysight M9021A
Interface	PCIe cable
Family	Keysight modular system interconnect
Form	interface module Notes Detailed lane/gen numbers vary by revision and companion host/system module—confirm labels and cable type on the unit. Specs framed from Keysight interface modules family literature.
Function	PCIe cable interface
Ecosystem	Keysight PXI / AXIe modular interface family
Related modules	M9022A/M9023A/M9024A PXIe system modules; M9048x host adapters
Role	physical PCIe cable interconnect in multi-chassis / remote-PC configurations

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	M9021A
Manufacturer	Keysight / Agilent
Instrument Type	PCIe Cable Interface Module
Alias	M9021A; Keysight M9021A

Specifications

PARAMETER	VALUE
Interface	PCIe cable
Family	Keysight modular system interconnect
Form	interface module

Notes
Detailed lane/gen numbers vary by revision and companion host/system module—confirm labels and cable type on the unit. Specs framed from Keysight interface modules family literature.

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.