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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) M9024A PXle High Performance System Module

Instrument Type: PXle System Module with Connectivity Expansion Specs from Keysight Interface Modules and Adapters for PXI and AXIe Systems data sheet / M9024A product literature. Confirm host adapter and cable generation on the system. Specs from Keysight Interface Modules and Adapters for PXI and AXIe Systems data sheet / M9024A product literature. Confirm host adapter and cable generation on the system.



MODEL

**Keysight / Agilent
M9024A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

M9024A

LISTING

<https://aumictechlabs.com/products/m9024a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight M9024A is a 3U PXIe system module that establishes high-bandwidth connectivity between a host computer and PXIe chassis. It supports Gen 3 PCIe cable links at 8 GT/s with dual configurable ports, delivering up to 16 GB/s in x16 mode or 8 GB/s per port in dual x8 mode. The module integrates comprehensive I/O expansion - including 2× Gigabit Ethernet, 4× USB 2.0, 2× USB 3.0, and 1× GPIB port - extending host PC peripherals throughout the test system. Port 1 operates as a fixed target; Port 2 configures as Host or Target via switch settings. Designed for multi-chassis configurations using daisy-chain topology in dual x8 mode, it occupies three PXIe slots and operates within standard chassis power budgets. Technical Specifications Form Factor:

3U PXIe module (3 slots) PCIe Backplane Connection: Two PXI controller expansion slots; supports 4×4, x8, or x16 link configurations PCIe Link Speed: Gen 3 at 8 GT/s Data Bandwidth: 16 GB/s (x16 mode); 8 GB/s per port (dual x8 mode) PCIe Connectors: Standard x8 connectors Port Configuration: Port 1 fixed target; Port 2 configurable (Host/Target)Key Features Flexible daisy-chain architecture for multi-chassis systems without requiring instrument slots Integrated I/O: 2× Gigabit Ethernet (RJ45), 4× USB 2.0 Type A, 2× USB 3.0 Type A, 1× GPIB Status indicators: Configuration LED (D3) and 1.0 VDC power LED (D4) I/O ports extend host PC functionality; not for chassis control Configurable dual x8 links combine into single x16 linkTypical Applications Aerospace, defense, and communications test environments requiring high-throughput data acquisition and synchronized multi-chassis measurement systems.Compatibility & Integration Operated with M9048B and M9022A or M9023A modules in daisy-chain configurations. Requires proper chassis cooling and slot blockers in expansion slots for optimal thermal performance.

Features & description

From manufacturer datasheet

Features

• Form: 3-slot, 3U PXIe system-slot module • Host interface: PCIe Gen 3 • Ports: 2 × x8 iPass (configurable as dual x8 or single x16) • Bandwidth: 8 GB/s per x8; 16 GB/s for x16 • Front I/O: 2× Gigabit Ethernet; 2× USB 3.0; 4× USB 2.0; GPIB • Multi-chassis: daisy-chain in x8 mode (one M9024A per multi-chassis system) • Host card for max x16 speed: M9049A Gen 3 ×16; cables Y1202A/Y1203A up to 2 m passive • LEDs: power, presence, PCIe generation (solid green = Gen3) • Software-transparent chassis module control

Applications

• External PC control of PXIe chassis at Gen 3 bandwidth • Multi-chassis daisy-chain (x8 mode) • Local peripheral attachment without routing all I/O to the host PC

M9024A Characteristics / Specifications

PARAMETER	VALUE
Model	M9024A
Manufacturer	Keysight / Agilent
Instrument Type	PXIe System Module with Connectivity Expansion
Alias	M9024A; Keysight M9024A
Slots wide	3
PCIe	Gen 3
Ports	2 × x8 iPass (configurable as dual x8 or single x16)
Bandwidth x	16 GB/s
LAN	2× Gigabit
USB	2× USB 3.0 + 4× USB 2.0
GPIOB	yes Notes Specs from Keysight Interface Modules and Adapters for PXI and AXIe Systems data sheet / M9024A product literature. Confirm host adapter and cable generation on the system.
Form	3-slot, 3U PXIe system-slot module
Host interface	PCIe Gen 3
Bandwidth	8 GB/s per x8; 16 GB/s for x16
Front I/O	2× Gigabit Ethernet; 2× USB 3.0; 4× USB 2.0; GPIOB
Multi-chassis	daisy-chain in x8 mode (one M9024A per multi-chassis system)
Host card for max x16 speed	M9049A Gen 3 ×16; cables Y1202A/Y1203A up to 2 m passive
LEDs	power, presence, PCIe generation (solid green = Gen3)

M9024A Specifications

PARAMETER	VALUE
Applications	- External PC control of PXIe chassis at Gen 3 bandwidth
Key Features	- Form: 3-slot, 3U PXIe system-slot module
Technical Specifications	Model: M9024A

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.

Performance System Module

Overview

The M9024A is a 3-slot-wide PXIe Gen 3 system module with connectivity expansion. Dual x8 iPass ports configurable as x16 (16 GB/s) or two x8 links (8 GB/s each), plus front-panel GbE, USB, and GPIB for peripherals at the chassis.

Applications

- External PC control of PXIe chassis at Gen 3 bandwidth
- Multi-chassis daisy-chain (x8 mode)
- Local peripheral attachment without routing all I/O to the host PC

Key Features

- Form: 3-slot, 3U PXIe system-slot module
- Host interface: PCIe Gen 3
- Ports: 2 × x8 iPass (configurable as dual x8 or single x16)
- Bandwidth: 8 GB/s per x8; 16 GB/s for x16
- Front I/O: 2× Gigabit Ethernet; 2× USB 3.0; 4× USB 2.0; GPIB
- Multi-chassis: daisy-chain in x8 mode (one M9024A per multi-chassis system)
- Host card for max x16 speed: M9049A Gen 3 x16; cables Y1202A/Y1203A up to 2 m passive
- LEDs: power, presence, PCIe generation (solid green = Gen3)
- Software-transparent chassis module control

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	M9024A
Manufacturer	Keysight / Agilent
Instrument Type	PXIe System Module with Connectivity Expansion
Alias	M9024A; Keysight M9024A

Specifications

PARAMETER	VALUE
Slots wide	3
PCIe	Gen 3
Ports	dual x8 / x16
Bandwidth x16	16 GB/s
Bandwidth x8	8 GB/s
LAN	2× Gigabit
USB	2× USB 3.0 + 4× USB 2.0
GPIB	yes

Notes

Specs from Keysight Interface Modules and Adapters for PXI and AXIe Systems data sheet / M9024A product literature. Confirm host adapter and cable generation on the system.

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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NIST-traceable calibration · SAM registered ·
30-day returns
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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.