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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) M9023A PXIe High Performance System Module

Keysight / Agilent M9023A PXIe High Performance System Module The M9023A isaPXIe Gen 3 dual-port system module (dual x8 or x16) for high-bandwidth host-to-chassis or multi-chassis links. Same PCIe performance class as M9024A without the front-panel LAN/USB/GPIB connectivity expansion. The M9023A isaPXIe Gen 3 dual-port system module (dual x8 or x16) for high-bandwidth host-to-chassis or multi-chassis links. Same PCIe performance class as M9024A without the front-panel LAN/USB/GPIB connectivity expansion.



MODEL

**Keysight / Agilent
M9023A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

M9023A

LISTING

<https://aumictechlabs.com/products/m9023a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 · 811210 · 541380

This unit

The Keysight M9023A PXIe High Performance System Module is a 1-slot, 3U interface module that connects an external computer to a PXIe chassis via high-speed PCIe cable links. It enables external control of modular instrumentation, automated test systems, and data acquisition platforms without consuming instrument slots in multi-chassis configurations. Technical Specifications PCIe Architecture Gen 3 PCIe specification Dual x8 cable links, each supporting up to 8 GB/s x16 combined mode delivers up to 16 GB/s aggregate bandwidth Supports 4×4 or x8/x16 backplane connectivity Standard x8 PCIe connectors for external cabling Cable Interface

Samtec active optical x8 Gen 3 PCIe cables supported Maximum cable length: 100 meters
Compatible with Keysight Y1202A and Y1203A PCIe cables Physical Characteristics Height: 3U
Form factor: Single PXIe system slot moduleKey Features Flexible bandwidth configuration allows system architects to operate dual independent 8 GB/s channels or combine them into a single 16 GB/s link based on application throughput requirements. Multi-chassis daisy-chain operation in dual x8 mode eliminates the need for dedicated instrument slots when interconnecting multiple PXIe chassis. The module integrates with Keysight host adapters - particularly the M9049A for optimized x16 operation and M9048B - and works with desktop or rack-mounted host computers. Extended cable length capability (up to 100 meters) accommodates distributed test environments and system architectures requiring physical separation between control hardware and instrumentation. Typical Applications External computer control of PXIe-based test platforms Multi-chassis instrumentation systems via daisy-chain configurations High-throughput data acquisition and signal processing Modular automated test equipment (ATE) with remote computer integration Compatibility & Integration Designed for Keysight PXIe chassis including M9010A, M9019A, and M9046A models. Requires paired host adapter cards and Gen 3-rated PCIe cables for specification performance. Multi-chassis operation supports interconnection without occupying instrument measurement slots, preserving I/O capacity for test modules.

Features & description

From manufacturer datasheet

Features

• Form: PXIe system-slot module • Host interface: PCIe Gen 3 • Ports: dual x8 configurable as x16 • Bandwidth: 8 GB/s per x8; 16 GB/s x16 • Multi-chassis: dual x8 (one to host, one to second chassis) • Related: M9022A single-port; M9024A dual-port + I/O expansion • Software-transparent module control

Applications

• External PC control of PXIe chassis at Gen 3 rates • Multi-chassis daisy-chain (x8 mode) • AXIe–PXIe interconnect in modular systems

M9023A Characteristics / Specifications

PARAMETER	VALUE
Model	M9023A
Manufacturer	Keysight / Agilent
Instrument Type	PXIe Dual-Port System Module
Alias	M9023A; Keysight M9023A
PCIe	Gen 3
Ports	dual x8 configurable as x16
Bandwidth x	8 GB/s Notes Specs from Keysight Interface Modules and Adapters for PXI and AXIe Systems data sheet. Confirm host adapter generation and cables.
Form	PXIe system-slot module
Host interface	PCIe Gen 3
Bandwidth	8 GB/s per x8; 16 GB/s x16
Multi-chassis	dual x8 (one to host, one to second chassis)
Related	M9022A single-port; M9024A dual-port + I/O expansion

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 M9023A isaPXIe Gen 3 dual-port system module (dual x8 or x16) for high-bandwidth host-to-chassis or multi-chassis links. Same PCIe performance class as M9024A without the front-panel LAN/USB/GPIB connectivity expansion.

Applications

- External PC control of PXIe chassis at Gen 3 rates
- Multi-chassis daisy-chain (x8 mode)
- AXIe-PXIe interconnect in modular systems

Key Features

- Form: PXIe system-slot module
- Host interface: PCIe Gen 3
- Ports: dual x8 configurable as x16
- Bandwidth: 8 GB/s per x8; 16 GB/s x16
- Multi-chassis: dual x8 (one to host, one to second chassis)
- Related: M9022A single-port; M9024A dual-port + I/O expansion
- Software-transparent module control

Technical Specifications

Technical Specifications

PARAMETER	VALUE
Model	M9023A
Manufacturer	Keysight / Agilent
Instrument Type	PXIe Dual-Port System Module
Alias	M9023A; Keysight M9023A

Specifications

PARAMETER	VALUE
PCIe	Gen 3
Ports	dual x8 / x16
Bandwidth x16	16 GB/s
Bandwidth x8	8 GB/s

Notes

Specs from Keysight Interface Modules and Adapters for PXI and AXIe Systems data sheet. Confirm host adapter generation and cables.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

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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.