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Data Sheet

August 12, 2026

KEYSIGHT / AGILENT

Keysight (Agilent) M9502A AXIe 2-Slot Chassis

Keysight / Agilent M9502A AXIe 2-Slot Chassis The M9502A is a 2-slot AXIe 1.0 chassis with an embedded system module that does not consume an instrument slot. Provides Gigabit LAN and Gen 2 ×8 PCIe host interfaces; horizontal slots for compact rack density. The M9502A is a 2-slot AXIe 1.0 chassis with an embedded system module that does not consume an instrument slot. Provides Gigabit LAN and Gen 2 ×8 PCIe host interfaces; horizontal slots for compact rack density.



MODEL

**Keysight / Agilent
M9502A**

CALIBRATION

**Available on
request**

CONDITION

Used

STATUS

In stock

RFQ / SKU

M9502A

LISTING

<https://aumictechlabs.com/products/m9502a-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight (Agilent) M9502A is a 2-slot AXIe chassis with modular test and measurement systems requiring interconnect and compact form factor. This 2U instrument integrates an Embedded System Module (ESM) that manages chassis operations and provides external controller connectivity via Gen 2 ×8 PCIe and Gigabit LAN. Each of the two instrument slots delivers 200 W cooling capacity and supports Gen 2 PCIe x4 links with maximum data rates of 2 GB/s per slot. The ESM distributes a secondary PCIe data fabric alongside a 62-pair local bus for adjacent module signaling. Technical Specifications Form Factor: AXIe 1.0 compliant, 2U height Instrument Module Slots: 2 slots with horizontal arrangement System Interface: Gen 2 ×8 PCIe to external controller; up to 4 GB/s bandwidth Module Slot Interface: Gen 2 PCIe x4 per slot, 2 GB/s

maximum data rate per slot Local Bus: 62-pair bus for inter-module signaling Cooling: 200 W per slot; right-to-left airflow; front-removable fan tray Power Supply: 50 VDC nominal output; 400 W total module power; 800 VA input consumption Input Voltage: 100–240 VAC, 50–60 Hz Connectivity: Gigabit LAN to each module slot; external controller via PCIe and LANKey Features Distributed PCIe Gen 2 data fabric from ESM with secondary fabric support Multiple timing and triggering options: 100 MHz clock, point-to-point star triggers (SYNC, STRIG), and 12-signal parallel trigger bus (TRIG) External trigger connections via SMA connectors with ESD suppression Built-in inter-chassis synchronization via Keysight-exclusive MultiFrame connectors Front-panel ESM connectors: x8 Gen 2 PCIe, multiframe in/out, trigger in/out, clock in/out, Gigabit LAN Optional USB 2.0 support for compatible AXIe modulesTypical Applications Transportable and rack-mounted modular instrumentation systems requiring synchronized multi-module operation, high-speed data transfer, and distributed trigger/clock distribution.Compatibility & Integration Fully AXIe 1.0 compliant. Supports IVI-COM, IVI-C, and LabVIEW drivers. Compatible with Windows XP, Windows Vista, Windows 7, Windows 8.1, and Windows 10 operating systems.

Features & description

From manufacturer datasheet

Features

• Instrument slots: 2 • System module: embedded (does not use instrument slot) • Standard: AXIe 1.0 • Host interfaces: Gigabit LAN; Gen 2 ×8 PCIe • AC input: 100–240 VAC, 50–60 Hz • Input power consumption: 800 VA • Total DC module power: 400 W • Total max module current: 8 A • DC supply: 50 V class; load regulation 2%; ripple/noise 1% pk-pk (20 MHz BW) • Efficiency typical: 85–90% • Overcurrent protection: auto-recovery • Maintenance: removable PSU and fan tray while racked • Web server + soft front panel for chassis monitor/control • Recommended PCIe adapter: M9048A; cable Y1202A (x8, 2.0 m) • Opt U20: ESM with USB 2.0

Applications

• Host for 1–2 AXIe instrument modules (e.g. U4154A logic analyzers) • Multi-frame AXIe systems • External PC control via PCIe (M9048A + Y1202A) or LAN

M9502A Characteristics / Specifications

PARAMETER	VALUE
Model	M9502A
Manufacturer	Keysight / Agilent
Instrument Type	AXIe Chassis
Alias	M9502A; Keysight M9502A
Slots	2
PCIe	Gen 2 ×8
LAN	Gigabit
AC input	100–240 VAC, 50–60 Hz
Input power	800 VA
Module DC power	400 W
Module current max	8 A Notes Specs from Keysight M9502A/M9505A AXIe Chassis data sheet. Confirm Opt U20 and installed modules on the unit.
Instrument slots	2
System module	embedded (does not use instrument slot)
Standard	AXIe 1.0
Host interfaces	Gigabit LAN; Gen 2 ×8 PCIe
Input power consumption	800 VA
Total DC module power	400 W
Total max module current	8 A
DC supply	50 V class; load regulation 2%; ripple/noise 1% pk-pk (20 MHz BW)
Efficiency typical	85–90%
Overcurrent protection	auto-recovery
Maintenance	removable PSU and fan tray while racked
Recommended PCIe adapter	M9048A; cable Y1202A (x8, 2.0 m)
Opt U20	ESM with USB 2.0

M9502A Specifications

PARAMETER	VALUE
Applications	- Host for 1–2 AXIe instrument modules (e.g. U4154A logic analyzers)
Key Features	- Instrument slots: 2
Technical Specifications	Model: M9502A
Notes	Specs from Keysight M9502A/M9505A AXIe Chassis data sheet. Confirm Opt U20 and installed modules on the unit.

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	M9502A
Manufacturer	Keysight / Agilent
Instrument Type	AXIe Chassis
Alias	M9502A; Keysight M9502A

Specifications

PARAMETER	VALUE
Slots	2
PCIe	Gen 2 x8
LAN	Gigabit
AC input	100–240 VAC
Input power	800 VA
Module DC power	400 W
Module current max	8 A

Notes

Specs from Keysight M9502A/M9505A AXIe Chassis data sheet. Confirm Opt U20 and installed modules 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.