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Data Sheet

August 13, 2026

AGILENT / HP / KEYSIGHT

Agilent HP Keysight M9505A AXIe 5-Slot Chassis

The Keysight M9505A is a 5-slot AXIe 1.0 chassis with an embedded system module that does not consume an instrument slot. It provides Gen2 PCIe and Gigabit LAN host interfaces, 1000 W total DC module power, and 200 W cooling per slot in a 4U horizontal-slot rack footprint for AXIe instrument modules. Power dissipation per instrument slot: 200 W max Host interfaces: Gen2 PCIe x8 and Gigabit LAN Local bus: 62 differential pairs adjacent modules Specs from Keysight M9502A/M9505A AXIe Chassis data sheet. Confirm Option U20 USB ESM and installed controller cabling.



MODEL	CALIBRATION
Agilent / HP / Keysight M9505A	Available on request
CONDITION	STATUS
Used	In stock
RFQ / SKU	LISTING
M9505A	https://aumictechlabs.com/products/m9505a-2/

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The Keysight M9505A is a 5-slot AXIe chassis host modular test instruments in automated test systems. It combines AXIe 1.0 compliance with a compact 4U form factor, delivering 200 W cooling capacity per slot and front-accessible maintenance without module removal. The integrated Embedded System Module (ESM) manages chassis functions and provides external clock, trigger, and inter-chassis synchronization connectivity, while dedicated PCIe and Gigabit LAN interfaces enable high-speed instrument communication and external system control. Technical Specifications Form Factor: AXIe, 5 instrument slots Cooling: 200 W per slot; right-to-left airflow; no filters Power Supply: 100–240 VAC, 50–60 Hz input; 400 W total DC

output; 8 A maximum module current Power Regulation: 2% load regulation; 1% pk-pk maximum ripple and noise (20 MHz bandwidth) System Controller Interface: Gen 2 PCIe x8, up to 4 GB/s Module Slot Interface: Gen 2 PCIe x4 per slot, up to 2 GB/s per slot Local Bus: Maximum 62 differential pairs for module-to-module signaling LAN: Gigabit connection to each module slot System Clock (CLK100): 100 MHz $\pm$ 20 ppm, 45/55% duty cycle; 100 ps maximum slot-to-slot skew External Clock Input: 10 MHz $\pm$ 100 ppm, $\pm$ 5 V AC coupled, 250 mV minimum swing (SMA) External Clock Output: 10 MHz, 3.3 V CMOS, 50 ohm load (SMA)Key Features Embedded System Module (ESM) does not consume an instrument slot Front-removable power supply and fan tray for in-rack maintenance Compliant with AXIe 1.0 and AdvancedTCA (ATCA) PICMG 3.0 R2.0 specifications Electrically compatible with standard ATCA modules Differential star trigger (STRIG) for precision synchronizationTypical Applications Aerospace and defense test systems Semiconductor characterization and production test Communications equipment validation General electronics test automationCompatibility & Integration The M9505A integrates into external control environments via Gen 2 PCIe x8 backbone connectivity and supports synchronized multi-chassis configurations through dedicated inter-chassis connectors on the ESM.

Features & description

From manufacturer datasheet

Features

• Five instrument module slots plus embedded system module • AXIe 1.0 Base Architecture compliant • Total DC module power 1000 W at 52 V • Cooling 200 W maximum per instrument slot • Gen2 ×8 PCIe and Gigabit LAN to external controller • 100 MHz system clock with star triggers • Removable fan tray and power supply for in-rack service

Applications

• Hosting AXIe instrument modules in a 4U rack • PCIe and LAN connected modular ATE systems • Multi-module AXIe measurement platforms • Maintenance with removable fan tray and power supply

M9505A Characteristics / Specifications

PARAMETER	VALUE
Model	M9505A
Manufacturer	Keysight / Agilent
Instrument Type	AXIe Chassis
Alias	M9505A; Keysight M9505A 5-slot AXIe
AXIe specification	AXIe 1.0 Base Architecture
Instrument module slots	5
Total slots including system	5 instrument + embedded system
Rack height	4U
AC input	100 to 240 VAC
Input frequency	50 to 60 Hz
Input power consumption	1280 VA
DC output voltage	52 V
Total DC module power	1000 W
Maximum module current total	19.2 A
Load regulation	2 percent
Ripple and noise max	500 mV pk-pk (20 MHz BW)
Power dissipation per instrument slot	200 W max
Efficiency typical	85 to 93 percent
System clock	100 MHz CLK100
Clock accuracy	+/-20 ppm
Clock duty cycle	45/55 percent
Slot to slot skew max	100 ps
External clock in	10 MHz +/-100 ppm SMA
Host interfaces	Gen2 PCIe x8 and Gigabit LAN
Local bus	62 differential pairs adjacent modules

PARAMETER

VALUE

Weight nominal

about 17.7 kg class

Related 2 slot chassis

M9502A Notes Specs from Keysight M9502A/M9505A AXIe Chassis data sheet. Confirm Option U20 USB ESM and installed controller cabling.

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	
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Option U20: ESM USB 2.0 with cable

Related 2 slot chassis: M9502A

Notes

Specs from Keysight M9502A/M9505A AXIe Chassis data sheet. Confirm Option U20 USB ESM and installed controller cabling.

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.