



# Agilent M9502A and M9505A AXIe Chassis

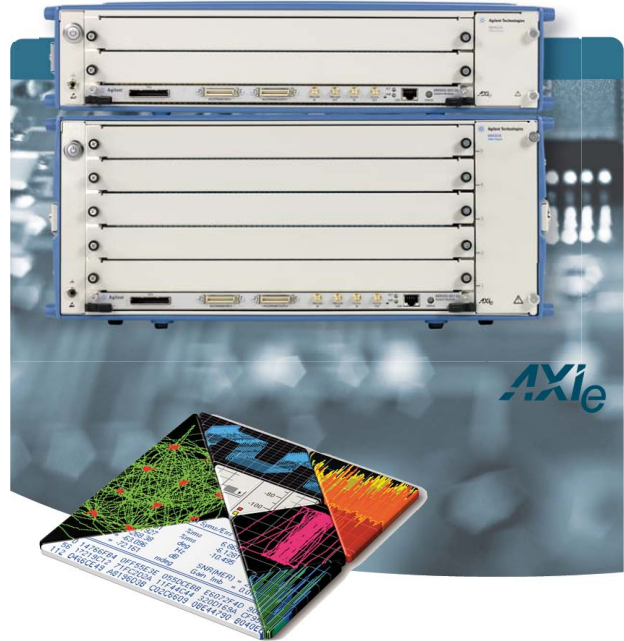
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## Industries and Applications

- Aerospace and defense
- Communications
- Electronics test
- Semiconductor testing

## Product Description

The M9502A and M9505A AXIe chassis are fully compatible with the AXIe 1.0 specification. They provide 2 or 5 slots for AXIe instrument modules, and have an embedded system module that does not take up an instrument slot. The embedded system module provides Gigabit LAN and Gen 2 x8 PCIe® interfaces for connecting the chassis to an external controller. To minimize rack space, the instrument module slots are arranged horizontally. In addition, both the power supply and fan tray can be removed while the chassis remains in the rack for maintenance.



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## Specifications and Characteristics

Hardware		
	M9502A	M9505A
Size	2U	4U
Number of slots	2	5
Power supply output voltage ( <i>nominal</i> )	50 VDC	52 VDC
Total DC power	520 W	1020 <sup>1</sup> W
Input power consumption	800 VA	1280 VA
System module type	Embedded	
System module front panel connectors	X8 Gen 2 PCIe, multiframe in/out, trigger in/out, clock in/out, and Gbit LAN	
Maximum power dissipation per slot	200 W	
Local bus pairs	62 pairs between adjacent slots	
Data bandwidth	2 GB/s user slot-to-system slot 4 GB/s system slot-to-host	

*1. M9505A configurations that consume more than 850 W (200-240 V) or 400 W (100-120 V) total power across all five slots may experience occasional system reset if installed in environments prone to line voltage dropouts in excess of 20 ms. In such an event, the PC controlling the chassis will require a restart or reboot. To avoid system resets due to line dropouts, use an uninterruptable power supply.*

Models	
M9502A	2-slot AXIe chassis
M9505A	5-slot AXIe chassis

## Main Features and Benefits

Product features	Your benefit
Compact size	2-slot chassis is ideal for transportable applications, while 5-slot saves rack space
Gen 2 x4 links to module slots and 62 local bus pairs	Enables high-performance applications
Embedded AXIe system module	System module does not take up a slot, resulting in a smaller chassis
High cooling capacity	Provides cooling for high-performance modules

Connector compatibility: AXIe 1.0



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## Software Information

Both AXIe chassis include a built-in Web server for configuration, control, and monitoring of the chassis. This Web server can be accessed by either LAN or PCIe. A soft front panel interface is also provided to monitor and control the AXIe chassis.

- Chassis information
- Chassis LAN configuration
- Instrument module inventory
- Trigger routing setup
- Chassis health (temperature, fan, power supply)

Operating systems	Microsoft Windows® XP Microsoft Windows® Vista (32/64-bit) Microsoft Windows® 7 (32/64-bit)
Standard compliant drivers	IVI-COM, IVI-C, LabVIEW, MATLAB
Supported application development environments (ADE)	VisualStudio® (C/C++,C#, VB.NET), LabVIEW, LabWindows/CVI, MATLAB, VEE
Agilent IO Libraries	Includes: VISA Libraries, Agilent Connection Expert, IO Monitor



Figure 1. AXIe chassis web server

## Typical Product Configuration

Model	Description
<b>M9502A 2-slot AXIe chassis</b>	
M9502A	2-slot AXIe chassis
M9045B	PCIe ExpressCard adapter
Y1200B	PCIe cable: x1 to x8, 2m
<b>M9505A 5-slot AXIe chassis</b>	
M9505A	5-slot AXIe chassis
M9047A	PCIe desktop PC adapter
Y1202A	2m x8 PCIe cable

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## Ordering Information

Model	Description
M9502A	AXIe chassis: 2-slot with embedded system module
M9505A	AXIe chassis: 5-slot with embedded system module
Opt 900-932	Power cord options

### Related products

M9536A	Embedded AXIe PC controller
M9045B	PCIe ExpressCard adaptor: Gen 1
Y1200B	PCIe cable: x1 to x8, 2m
M9047A	PCIe desktop PC adapter: Gen 2, x8
Y1202A	PCIe cable: x8, 2.0m (used with M9047A)

### Accessories

Y1225A	Rack mount kit for M9502A
Y1226A	Rack mount kit for M9505A
Y1223A	AXIe multi-frame cable: 0.5m
Y1224A	AXIe multi-frame cable: 3m

### Advantage Services: Calibration and Warranty

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R1280A	Extended warranty
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5990-6361EN



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