

# Keysight Technologies

## M9502A and M9505A AXIe Chassis

### Product Fact Sheet

#### Industries and Applications

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

#### Product Description

The Keysight Technologies, Inc. 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 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.



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 highperformance modules

#### Specifications and Characteristics

Hardware		
	M9502A	M9505A
Size	2U	4U
Number of slots	2	5
Power supply output voltage (nominal)	50 VDC	52 VDC
Total DC module power	400 W	1000 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	

#### Connector compatibility:

AXIe 1.0

## 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
Keysight IO Libraries	Includes: VISA Libraries, Keysight Connection Expert, IO Monitor



Figure 1. M9018A soft front panel

## 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>	
M9502A	5-slot AXIe chassis
M9045B	PCIe desktop PC adapter
Y1200B	2m x8 PCIe cable

## 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
Opt U20	ESM with USB 2.0 <sup>1</sup> Includes USB cable

**1. USB port is only supported for a limited set of Keysight AXIe modules. Check module documentation or go to: [www.keysight.com/find/axie-chassisusb](http://www.keysight.com/find/axie-chassisusb) for compatibility information**

Related products	
M9536A	Embedded AXIe PC controller
M9045B	PCIe® ExpressCard adaptor: Gen 1
Y1200B	PCIe® cable: x1 to x8, 2m
M9048A	PCIe® PC adapter
Y1202A	PCIe® cable: x8, 2.0m (used with M9048A)

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
Y1232A	Soft carry bag for M9502A
N5650-00080	Single-slot AXIe filler module

Advantage Services: Calibration and Warranty	
Keysight Advantage Services is committed to your success throughout your equipment's lifetime.	
R1280A	Extended warranty

## Keysight Modular Products

[www.keysight.com/find/modular](http://www.keysight.com/find/modular)  
[www.keysight.com/find/axie-chassis](http://www.keysight.com/find/axie-chassis)  
 USA: (800) 829-4444

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