



Agilent M9536A AXIe Embedded PC Controller

Industries and Applications

- Aerospace/defense
- Communications
- Computation
- Electronic test
- Semiconductor testing
- High-energy physics

Product Description

The Agilent M9536A is an AXIe-compatible, embedded PC controller which provides a high-performance PCIe Gen2 link to the AXIe backplane. It is the first AXIe embedded controller available on the market. The M9536A provides a powerful, one-slot computer that can be used to build compact AXIe systems while also integrating easily with LXI instruments with the built-in Gigabit LAN interface.

Main Features and Benefits

Product features	Your benefits
Gen 2 PCIe link to backplane	Faster data transfer rates across the backplane
Intel Xeon EP Quad Core L5518 processor	Faster system performance for multi-threaded applications
16 GB RAM option	Support for large, data-intensive tasks
Preloaded with Agilent I/O libraries and operating system	Reduced test system development time
Designed for AXIe systems	Provides choice between embedded and external controllers
Solid-state drive (SSD)	Improved reliability

Chassis slot compatibility: AXIe 1.0 secondary hub-slot (slot #1 in the M9502A and M9505A)



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Specifications and Characteristics

Hardware	
Size	1-slot, AXIe module
CPU	Intel Xeon EP L5518 processor at 2.13 GHz
Storage Type	2.5" SATA II SSD
Storage Size	160 GB
Memory	8 GB standard, 16 GB optional 24 GB maximum
AXIe PCIe link configuration	x4, Gen 2
AXIe PCIe data bandwidth (max)	2GB/s to AXIe backplane
AXIe Ethernet fabric channel	10/100/1000BASE-T
Front panel connections	USB (3), 10/100/1000 LAN (2), VGA (up to 1600x1200), RS-232



Software Information

The embedded controller supports Microsoft Windows 7 operating systems and comes with the selected operating system installed. Drivers for the M9502A/M9505A AXIe chassis and Agilent I/O libraries are also pre-installed.

Supported operating systems	Microsoft Windows 7 (32/64-bit)
Agilent IO Libraries	Includes: VISA Libraries, Agilent Connection Expert, IO Monitor

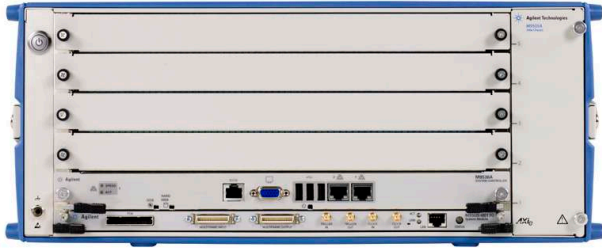


Figure 1. M9536A AXIe embedded PC controller installed in the M9505A AXIe Chassis

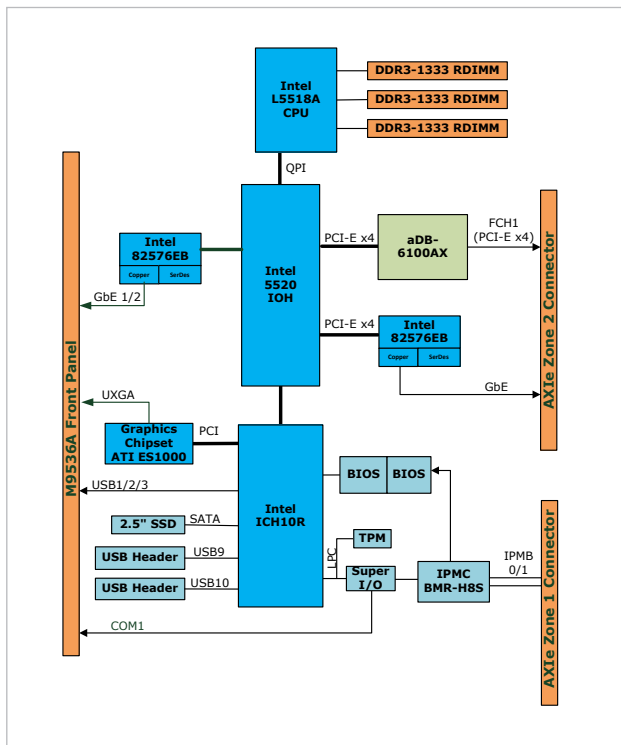


Figure 2. M9536A block diagram

Ordering Information

Typical Product Information

Model	Description
M9536A	AXIe embedded PC controller
M9536A-M16	Memory upgrade from 8GB RAM to 16 GB RAM
M9536A-WE6	Microsoft Windows Embedded Standard 7 Operating System (64-bit)
M9505A	5-slot AXIe chassis

Related Products

M9536A-WE3	Microsoft Windows Embedded Standard 7 Operating System (32-bit)
M9502A	2-slot AXIe chassis

Advantage Services: Warranty

Agilent Advantage Services is committed to your success throughout your equipment's lifetime.

Standard	Return to Agilent warranty - 3 years
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