

Featuring IPMI 2.0 Server Remote Management with KVM-Over-LAN

IPMI (Intelligent Platform Management Interface) is a hardware-level interface specification that defines a common, abstract message-based interface to platform monitoring and control functions. Providing peace of mind to customers, SIM (Supermicro Intelligent Management) module implements IPMI 2.0 technology to provide remote access, monitoring and administration for Supermicro server platforms. With SIM, server administrators can view a server's hardware status remotely, receive an alarm automatically if a failure occurs, and power cycle a system that is non-responsive.

AOC-SIMLP-3(+)



AOC-SIMLP-B(+)



AOC-SIMSO(+)



AOC-SIMLC



AOC-SIM1U(+)



AOC-SIM1U-3B(+)



AOC-SIM1U-3D



SIM1U-3B + SIM1U-3D



Specifications

How does it work?

IPMI defines the protocols used for interfacing with an embedded service processor. This service processor - also known as Baseboard Management Controller (BMC) - resides on a server motherboard or in the chassis of a blade server or telecom platform. The BMC links to a main processor and other onboard elements via a simple serial bus.

What does it do?

Supermicro Intelligent Management (SIM) module monitors onboard instrumentation such as temperature sensors, power status, voltages and fan speed, and provides remote power control capabilities to reboot and/or reset the server. It also includes remote access to the BIOS configuration and operating system console

Key Features

- IPMI with KVM Over LAN
- Serial Over LAN (SOL)
- VSC 2.0 supports Video Solutions up to 1600 x 1200 @ 60Hz
- Virtual Media Over LAN (Virtual USB Floppy/CD and Drive Redirection)
- LAN Alert-SNMP Trap
- Event Log
- OS Independent
- Hardware Health Monitor
- Remote Power Control
- Management Tools - IPMIView, CLI (Command Line Interface)
- Support RMCP & RMCP + Protocols

Additional Features

IPMI messages follow the same format whether they are received through an operating system or are sent and received out-of-band.

remote password configuration and protects sensitive system data when transferred over the network.

	AOC-SIMLP-3(+)	AOC-SIMLP-B(+)	AOC-SIMSO(+)	AOC-SIMLC
Description	IPMI 2.0 with Virtual Media Over LAN & Dedicated LAN & 3rd Data LAN Port	IPMI 2.0 with Virtual Media Over LAN & Dedicated LAN	IPMI 2.0 with Virtual Media Over LAN & Dedicated LAN	IPMI 2.0 with Virtual Media Over LAN
Connector on Card	Dedicated LAN & 3rd Data LAN Ports	Dedicated LAN	Mini USB with 8" Cable for Dedicated LAN	Mini USB Port
Dimensions (+): Optional Advanced Feature	5.1" x 2.7"	5.1" x 2.7"	2.7" x 1.7"	4.6" x 1.3"
Advanced Feature	KVM-Over-LAN *	KVM-Over-LAN *	KVM-Over-LAN *	KVM-Over-LAN *
Compatible Motherboard	X7DA3, X7DA8, X7DAE, X7DB3, X7DB8, X7DBE, X7DB8+, X7DBE+, X7DB8-X, X7DBE-X, X7DBN, X7DVA-8, X7DVA-E		PDSMU, X7DBR-3, X7DBR-8, X7DBR-8+, X7DBR-E, X7DBR-i, X7DBR-i+, X7DBT, X7DBT-INF, X7DBU	X7DA3, X7DA8, X7DAE, X7DB8+, X7DBE+, X7DB8, X7DBE, X7DB8-X, X7DBE-X, X7DB3, X7DBN, X7DVA-8, X7DVA-E, X7DVL-3, X7DVL-E, X7DVL-i
Optimized Chassis Bracket	2U and Above	2U and Above	1U and Above	1U and Above
Bracket	Standard & Low-Profile	Standard & Low-Profile	Standard & Low-Profile	-
Downloads	[User's Guide] [Driver] [Driver CD Image]	[User's Guide] [Driver] [Driver CD Image]	[User's Guide] [Driver] [Driver CD Image]	[User's Guide] [Driver] [Driver CD Image]

	AOC-SIM1U(+)	AOC-SIM1U-3B(+)	AOC-SIM1U-3D	
Description	IPMI 2.0 with Virtual Media Over LAN & Dedicated LAN	IPMI 2.0 with Virtual Media Over LAN	Dedicated LAN & 3rd Data LAN Ports; Works in Conjunction with AOC-SIM1U-3B(+)	
Connector on Card	Mini USB with 8" Cable for Dedicated LAN	PCI-E x8 (for AOC-SIM1U-3D Only)	-	
Dimensions (+): Optional Advanced Feature	4.6" x 1.3"	4.4" x 1.3"	3.2" x 2.4"	
Advanced Feature	KVM-Over-LAN *	KVM-Over-LAN *	-	
Compatible Motherboard	PDSM4+, PDSME+, X7DA3, X7DA8, X7DAE, X7DB3, X7DB8+, X7DBE+, X7DB8, X7DBE, X7DB8-X, X7DBE-X, X7DBN, X7DVA-8, X7DVA-E, X7DVL-E,	X7DBP-8, X7DBP-i, X7DBX-8, X7DBX-i	X7DBP-8, X7DBP-i, X7DBX-8, X7DBX-i	
Optimized Chassis Bracket	1U and Above	SC814, SC816, SC819	SC814, SC816, SC819	
Bracket	Standard & Low-Profile	-	-	
Downloads	[User's Guide] [Driver] [Driver CD Image]	[User's Guide] [Driver] [Driver CD Image]	[User's Guide] [Driver] [Driver CD Image]	-

* **NOTE:** KVM-Over-LAN is supported on select motherboards. Please refer to the product spec page for support details.