



Virtual onsite management designed
to maximize system control



IBM Netfinity Advanced System Management Processors

Netfinity[∞]



IBM Netfinity Advanced Systems Management Processors

To help you improve availability and reliability of your networked business systems, you need enhanced control and manageability. You need IBM Netfinity® Advanced System Management (ASM) processors to give you...

Confidence

... large system control to reduce downtime. Your business-critical applications can be available when you need them.

Control

... responsiveness and reliability. Manage your remote systems as if they were local.

Savings

... the level of service and support found on larger IBM systems. Your networked business systems can stay up and running and your service costs can be minimized.

The result? More time and resources to focus on your business...not your network.

IBM Advanced System Management processors work in partnership with built-in Netfinity system management instrumentation hardware to help reduce Total Cost of Ownership (TCO). Integrated system management features can significantly improve management control of your Netfinity server by providing functions previously available only on large server systems.

NEW!

Advanced System Management PCI Adapter option

The ASM PCI adapter is designed to improve day-to-day server management and simplifies event management. Automatic server recovery restarts the server upon non-critical failure, and “watchdog” monitoring of server health generates and posts all alerts to the Central Event Log. The ASM PCI adapter will notify your network administrator of critical events, and will proactively power down the server if trends indicate a potential for serious server failure or loss of data.

The ASM PCI adapter can share a single external modem with the server on which it is installed. And ASM Interconnect support allows other systems to share adapter resources such as modem and WAN connections.

The ASM PCI adapter enables:

- Remote BIOS upgrades of the system and system management processor
- Secure WAN connections with integrated 10/100 Ethernet or optional 16/4 Token-Ring
- More flexible management with a Web browser,¹ ANSI terminal,¹ Telnet¹ and Netfinity Manager™ interface
- Extra security with up to 12 different user profiles and dial-back

NEW!

Advanced System Management Interconnect Cable Kit

Now you can “daisy chain” up to 12 system management processors for ease of management. Get high levels of management capability at an exceptional value when you link servers because the Interconnect Cable Kit lets you manage a supported service processor with the same rich functionality as if it were directly attached.

The linked configuration needs only one modem or network connection, saving the cost of additional management adapters and individual system communication connections. Any interconnected advanced system management processor can generate and forward alerts using the ASM Interconnect Bus. And with up to 300 feet (90m) between first and last interconnected service processor, the Interconnect Cable Kit gives you substantial deployment flexibility.

Advanced System Management Adapter and Advanced System Management Processor

These service processors enable extensive remote management of IBM Netfinity servers even when the power is off or when the system has failed. They are integrated subsystem solutions, independent of the hardware and operating system, complementing the server hardware instrumentation by monitoring, logging events, reporting on many conditions and providing full remote access-independent of the server status.

Netfinity ASM Processors at a glance

	NEW! Advanced System Management PCI Adapter	Advanced System Management Processor	Advanced System Management Adapter
Netfinity servers supported	7000 M10-Standard 5500 M20-Option 5500 M10-Option 5500-Option 5000-Option	5500 M20-Standard 5000 M10-Standard 5500-Standard 5000-Standard	7000-Standard 3500-Option 3000-Option
Interface	Netfinity Manager ANSI terminal Telnet Web browser	Netfinity Manager ANSI terminal Telnet	Netfinity Manager ANSI terminal
Power source	Supports supplied external AC power adapter (optional on 7000 M10) Redundant continuous power (if system power is redundant)	Redundant continuous power (if system power is redundant)	Supports supplied external AC power adapter
ASM interconnect support	Option	Option	No
Remote BIOS Upgrade Connection	LAN Modem ASM Interconnect	Modem ASM Interconnect	No
Environmental monitors	Predictive Failure Analysis® (PFA) on CPU, VRMs, power supplies, fans and memory Voltage and temperature monitoring	Predictive Failure Analysis (PFA) on CPU, VRMs, power supplies, fans and memory Voltage and temperature monitoring	Voltage and temperature monitoring
Interface with light-path diagnostics	Yes	Yes	No
Log system event and errors	Yes	Yes	Yes
Connectivity	Modem (serial) Integrated 10/100 Ethernet or optional 16/4 Token-Ring ASM Interconnect	Modem (serial) ASM Interconnect	Modem (serial)
Bus	PCI	ISA (integrated)	ISA
Security systems	User profiles (up to 12) Server dial-back	User profiles (up to 12) Server dial-back	User profiles (up to 6) Server dial-back
Alerts	Generates unique SNMP traps Netfinity Manager Pager (alphanumeric and numeric)	Netfinity Manager Pager (alphanumeric and numeric)	Netfinity Manager Pager (alphanumeric and numeric)

Netfinity Interconnect Cable Kit at a glance

NEW! Advanced Systems Management Interconnect Cable Kit

Netfinity servers supported	7000 M10 5500 M20 5500 M10 5500 5000
Number of ASM processors supported	12
Cable length	300 feet (90m) between first and last interconnected ASM processor

Netfinity System Management Hardware Instrumentation

Most Netfinity servers are self-monitoring with Predictive Failure Analysis on select subsystems, including fans, hard disk drives, power supply and VRM. These subsystems are linked to a dedicated system management processor for monitoring, tracking and alerting. If a component requires onsite maintenance, PFA-enabled subsystems are also linked to Netfinity light-path diagnostics: depending on the server model, a light display will "point" to the specific component triggering the alert.



Need more information?

IBM Reseller and general information

United States	1 800 426-7255 ext. 4752
Canada	1 800 426-2255

World Wide Web

System Management Web Site	www.ibm.com/pc/us/software/sysmgmt
Netfinity X-architecture	www.pc.ibm.com/us/netfinity/xarchitecture.html
Options by IBM	www.ibm.com/options
ServerProven™ ⁴	www.ibm.com/pc/us/netfinity/serverproven
Support	www.pc.ibm.com/support
TechConnect ⁵	www.ibm.com/pc/techconnect
Technical white papers:	"Systems Management for Servers" and "Advanced System Management" www.pc.ibm.com/us/techlink/wtpapers/index.html

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