Service Processors Supported in IBM Netfinity and IBM eServer xSeries Servers
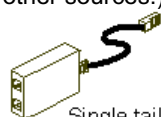**Reference Information (withdrawn product)**

Main

The following table lists the service processors that are standard and optional in IBM System x servers, including the older xSeries and Netfinity families of servers.

For more information about support of these devices, see the IBM ServerProven program, http://www.ibm.com/servers/eserver/serverproven/compat/us/

The values in the table have the following meaning:

- **Standard**: The service processor comes standard with the server, either in the form of a chip or an adapter. If Standard is shown in the Interconnect column, this indicates that the service processor can be connected to an ASM interconnect bus with no additional hardware (other than a Cat5 cable).

- **Optional**: The service processor can be purchased as an option. If Optional is shown in the Interconnect column, this indicates that support is provided if an RSA or RSA II is installed.

- **No**: The server does not support the service processor. If No is shown in the Interconnect column, this indicates that the server does not support the interconnect bus.

- **Cable kit**: To connect one of the older service processor to an interconnect bus, an ASM Interconnect Cable Kit, part 03K9309, is required. (**Note**: This kit may no longer be avaliable from IBM but may be available from other sources.) This kit contains the following components:

Single tail RS-485 breakout cable

Internal ASM interconnect knockout cable

Two ASM interconnect terminators

Netfinity servers	ASMP	ISMP	Other SP	BMC	Mini-BMC	ASM PCI Adapter	RSA	RSA II	RSA II Slimline	Interconnect
Netfinity 1000	No	No	No	No	No	No	No	No	No	No
Netfinity 3000	No	No	No	No	No	No	No	No	No	No
Netfinity 3500 family	No	No	No	No	No	No	No	No	No	No
Netfinity 4000R	No	No	No	No	No	No	No	No	No	No
Netfinity 4500R	Standard	No	No	No	No	Optional	No	No	No	Cable kit

Netfinity 5000	Standard	No	No	No	No	Optional	No	No	No	Cable kit
Netfinity 5100	Standard	No	No	No	No	Optional	No	No	No	Cable kit
Netfinity 5500 family	Standard	No	No	No	No	Optional	No	No	No	Cable kit
Netfinity 5600	Standard	No	No	No	No	Optional	No	No	No	Cable kit
Netfinity 6000R	Standard	No	No	No	No	Optional	No	No	No	Standard
Netfinity 7000	No	No	No	No	No	No	No	No	No	No
Netfinity 7000 M10	No	No	No	No	No	Standard	No	No	No	Cable kit
Netfinity 7100	Standard	No	No	No	No	Optional	No	No	No	Standard
Netfinity 7600	Standard	No	No	No	No	Optional	No	No	No	Standard
Netfinity 8500R	No	No	No	No	No	Standard	No	No	No	Cable kit
xSeries servers	**ASMP**	**ISMP**	**Other SP**	**BMC**	**Mini-BMC**	**ASM PCI Adapter**	**RSA**	**RSA II**	**RSA II Slimline**	**Interconnect**
xSeries 100	No	No	No	No	No	No	No	No	No	No
xSeries 130 8654	Standard	No	No	No	No	No	No	No	No	Standard
xSeries 130 8672	No	No	Winbond W83791D	No	No	No	No	No	No	No
xSeries 135 8654	Standard[8]	No	No	No	No	No	No	No	No	Standard[8]
xSeries 135 8672	No	No	Winbond W83791D	No	No	No	No	No	No	No
xSeries 150	Standard	No	No	No	No	No	No	No	No	Standard
xSeries 200	No	No	No	No	No	No	No	No	No	No
xSeries 205	No	No	Winbond W83791	No	No	No	Optional	No	No	Optional[2]
xSeries 206	No	No	No	No	No	No	No	Optional	No	Optional[2]
xSeries 206m	No	No	No	No	Standard	No	No	No	No	Optional[2]
xSeries 220	No	No	No	No	No	No	No	No	No	No
xSeries 225 (8647)	No	No	Winbond W791D	No	No	No	Optional	No	No	Optional[2]
xSeries 225 (8649)	No	No	Winbond W791D	No	No	No	No	Optional[1]	No	Optional[2]

xSeries 226	No	No	Winbond W791D	No	No	No	No	Optional	No	Optional[2]
xSeries 230	Standard	No	No	No	No	No	No	No	No	Standard
xSeries 232	No	Standard	No	No	No	No	Optional	No	No	Optional[2]
xSeries 235	No	Standard	No	No	No	No	No	Optional	No	Optional[2]
xSeries 236	No	Standard	No	No	No	No	No	No	Optional	No
xSeries 240	Standard	No	No	No	No	Optional	No	No	No	Cable kit
xSeries 250	Standard	No	No	No	No	Optional	No	No	No	Standard
xSeries 255	No	Standard	No	No	No	No	Optional	Optional[1]	No	Standard
xSeries 260	No	No	No	Standard	No	No	No	No	Optional	No
xSeries 300	No	No	WinBond W83791D	No	No	No	No	No	No	No
xSeries 305	No	No	No	No	No	No	Optional	Optional[1]	No	Optional[2]
xSeries 306	No	No	No	No	No	No	No	Optional[1]	No	Optional[2]
xSeries 306m	No	No	No	Yes	No	No	No	Optional[1]	No	Optional[2]
xSeries 330 (8654)	Standard	No	No	No	No	Optional	Optional[3]	No	No	Standard
xSeries 330 (8674)	Standard	No	No	No	No	No	Optional[3]	No	No	Standard
xSeries 330 (8675)	Standard	No	No	No	No	No	Optional[3]	No	No	Standard
xSeries 335	No	Standard	No	No	No	No	Optional	Yes[7]	No	Standard[4]
xSeries 336	No	No	No	Standard	No	No	No	No	Optional	No
xSeries 340	Standard	No	No	No	No	Optional	No	No	No	Cable kit
xSeries 342	No	Standard	No	No	No	No	Optional	No	No	Standard
xSeries 343	No	No[5]	No	No	No	No	No	No	No	No
xSeries 345	No	Standard	No	No	No	No	Optional	Optional[1]	No	Standard
xSeries 346	No	No	No	Standard	No	No	No	No	Optional	No
xSeries 350	Standard	No	No	No	No	Optional	No	No	No	Standard
xSeries 360	No	No	No	No	No	No	Standard	No	No	Cable kit

	ASMP	ISMP		BMC	Mini-BMC	ASM PCI Adapter	RSA	RSA II	RSA II Slimline	Interconnect
xSeries 365	No	No	No	No	No	No	No	Standard	No	Cable kit
xSeries 366	No	No	No	Standard	No	No	No	No	Optional	No
xSeries 370	No	No	No	No	No	Standard	No		No	Cable kit
xSeries 380	No	No	No	No	No	No	No	No	No	No
xSeries 382	No	No[5]	No	No	No	No	No	No	No	No
xSeries 440	No	No	No	No	No	No	Standard	No	No	Cable kit
xSeries 445	No	No	No	No	No	No	Standard	Optional[6]	No	Cable kit
xSeries 450	No	No	No	No	No	No	Standard	No	No	Cable kit
xSeries 455	No	No	No	No	No	No	Standard	No	No	Cable kit
xSeries 460	No	No	No	Standard	No	No	No	No	Standard	No
MXE-460	No	No	No	Standard	No	No	No	No	Standard	No
eServer	**ASMP**	**ISMP**		**BMC**	**Mini-BMC**	**ASM PCI Adapter**	**RSA**	**RSA II**	**RSA II Slimline**	**Interconnect**
eServer 325	No	No	No	Standard	No	No	No	No	No	No
eServer 326	No	No	No	Standard	No	No	No	Optional	No	Optional[2]
eServer 326m	No	No	No	Standard	No	No	No	Optional	No	Optional[2]
System x servers	**ASMP**	**ISMP**		**BMC**	**Mini-BMC**	**ASM PCI Adapter**	**RSA**	**RSA II**	**RSA II Slimline**	**Interconnect**
System x3105	No	No	No	No	No	No	No	No	No	No
System x3200	No	No	No	No	Standard	No	No	No	Optional	No
System x3200 M2	No	No	No	No	Standard	No	No	No	Optional	No
System x3250	No	No	No	No	Standard	No	No	No	Optional	No
System x3200 M2	No	No	No	No	Standard	No	No	No	Optional	No
System x3400	No	No	No	Standard	No	No	No	No	Optional	No
System x3455	No	No	No	Standard	No	No	No	No	No	No
System x3500	No	No	No	Standard	No	No	No	No	Optional	No
System x3550	No	No	No	Standard	No	No	No	No	Optional	No
System x3650	No	No	No	Standard	No	No	No	No	Optional	No

System x3650 T	No	No	No	Standard	No	No	No	No	Special bid	No
System x3655	No	No	No	Standard	No	No	No	No	Optional	No
System x3755	No	No	No	Standard	No	No	No	No	Optional	No
System x3800 8865	No	No	No	Standard	No	No	No	No	Optional	No
System x3800 8866	No	No	No	Standard	No	No	No	No	Opt or Std	No
System x3850 8863	No	No	No	Standard	No	No	No	No	Optional	No
System x3850 8864	No	No	No	Standard	No	No	No	No	Opt or Std	No
System x3950 / E	No	No	No	Standard	No	No	No	No	Standard	No
System x3850 M2	No	No	No	Standard	No	No	No	No	Standard	No
System x3950 M2	No	No	No	Standard	No	No	No	No	Standard	No
iDataPlex servers	**ASMP**	**ISMP**	**Other SP**	**BMC**	**Mini-BMC**	**ASM PCI Adapter**	**RSA**	**RSA II**	**RSA II Slimline**	**Interconnect**
iDataPlex dx320	No	No	No	Standard	No	No	No	No	No	No
iDataPlex dx340	No	No	No	Standard	No	No	No	No	No	No
iDataPlex dx360	No	No	No	Standard	No	No	No	No	No	No
Blade servers	**ASMP**	**ISMP**	**Other SP**	**BMC**	**Mini-BMC**	**ASM PCI Adapter**	**RSA**	**RSA II**	**RSA II Slimline**	**Interconnect**
HS12	No	No	No	Standard	No	No	No	No	No	No
HS20 8878, 8832	No	Standard	No	No	No	No	No	No	No	No
HS40	No	Standard	No	No	No	No	No	No	No	No
LS20	No	Standard	No	No	No	No	No	No	No	No
HS20 8843, 7981	No	No	No	Standard	No	No	No	No	No	No
HS21, HS21 XM	No	No	No	Standard	No	No	No	No	No	No
LS21	No	No	No	Standard	No	No	No	No	No	No
LS41	No	No	No	Standard	No	No	No	No	No	No

Notes from the table:

1. The server needs the latest system BIOS, ISMP firmware, and RSA II firmware to support the Remote

Supervisor Adapter II.

2. Supports the ASM interconnect by purchasing a Remote Supervisor Adapter or Remote Supervisor Adapter II (whichever is supported).

3. The xSeries 330 (8654, 8674, 8675) supports the Remote Supervisor Adapter as a gateway only. The onboard ASMP provides all the system management functions. For x330 models 8674 and 8675, you should install the I2C cable (20-pin cable), which will be used to provide the Remote Supervisor Adapter with power. The external AC power supply will only be used for redundancy. However, on the x330 model 8654, you should not install the I2C cable (20-Pin Cable), but you must use the external AC power supply that is supplied with the adapter.

4. The xSeries 335 uses Cable Chain Technology (C2T) for the interconnect connection between the servers. If an xSeries 335 server is the last server in the chain, do not install the terminator because the server is self terminating. See the xSeries 335 User's Guide for details on how to configure the interconnect.

5. The xSeries 343 and xSeries 382 have a built-in service processor that provides system management functions. Installing additional service processors in this system is not supported. See the server documentation for more information.

6. The xSeries 445 supports the Remote Supervisor Adapter II-EXA, part 13N0382, but not the Remote Supervisor Adapter II, part 59P2984.

7. The xSeries 335 supports the Remote Supervisor Adapter II; however, the C2T function of the x335 will not work with the RSA II because the adapter's video disables the onboard video. Customers will need to install an RSA II in every x335, if they want to use the remote video functionality of the RSA II. See http://www.ibm.com/pc/support/site.wss/MIGR-54747.html for more information.

8. The ASMP in the xSeries 135 8654 is a standard component on the system planar but not supported by the preloaded software.

Related product families

Product families related to this document are the following:

- 1-Socket Rack Servers
- 1-Socket Tower Servers
- 2-Socket Rack Servers
- 2-Socket Tower Servers
- 4-Socket Rack Servers
- 8-Socket Rack Servers
- Blade Servers
- System Utilities

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