



# Technical Updates

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## Advanced System Management Interconnect Updates

This document contains updated information about configuring Advanced System Management (ASM) Interconnect networks. Store this document with your IBM® Remote Supervisor Adapter documentation.

### Using the RS-485 terminator plugs on interconnected servers

The Remote Supervisor Adapter option now comes with two RS-485 terminator plugs. To ensure successful RS-485 communication on the ASM Interconnect network, you must install these terminator plugs in the open ports at each end of the RS-485 bus. For an example of how to use the terminator plugs, see “Connecting the servers” on page 2.

### Configuring xSeries 232 and xSeries 342 servers

You can now connect IBM @server xSeries 232 and xSeries 342 servers to an ASM Interconnect network using the Integrated System Management Processor (ISMP) ports located on the back of those servers. If the ISMP firmware level is revision 6 or 8, you must update the ISMP firmware. Go to the Web site <http://www.ibm.com/pc/support> to obtain the latest ISMP firmware and update instructions.

#### Attention:

1. If your server BIOS code level is earlier than revision 1.02, you must update your server BIOS before you update the ISMP firmware. BIOS update diskettes and update instructions are on the IBM Support Web site.
2. Make sure that no servers or devices are connected to the server ISMP ports when you update the ISMP firmware. The firmware cannot be updated while devices are connected to the ISMP ports.

You must connect at least one Remote Supervisor Adapter to the ASM Interconnect network to support the connection of xSeries 232 and xSeries 342 servers using their ISMP ports. If your Remote Supervisor Adapter firmware level is earlier than revision 17, you must update the Remote Supervisor Adapter firmware. Go to the Web site <http://www.ibm.com/pc/support> to obtain the latest Remote Supervisor Adapter firmware and update instructions as indicated in the following table:

If the Remote Supervisor Adapter is installed in an:	The firmware update diskette version must be:
xSeries 220, Type 8646	1.02 or later
xSeries 220, Type 8645	1.03 or later
xSeries 232	1.01 or later
xSeries 330	1.04 or later
xSeries 342	1.01 or later

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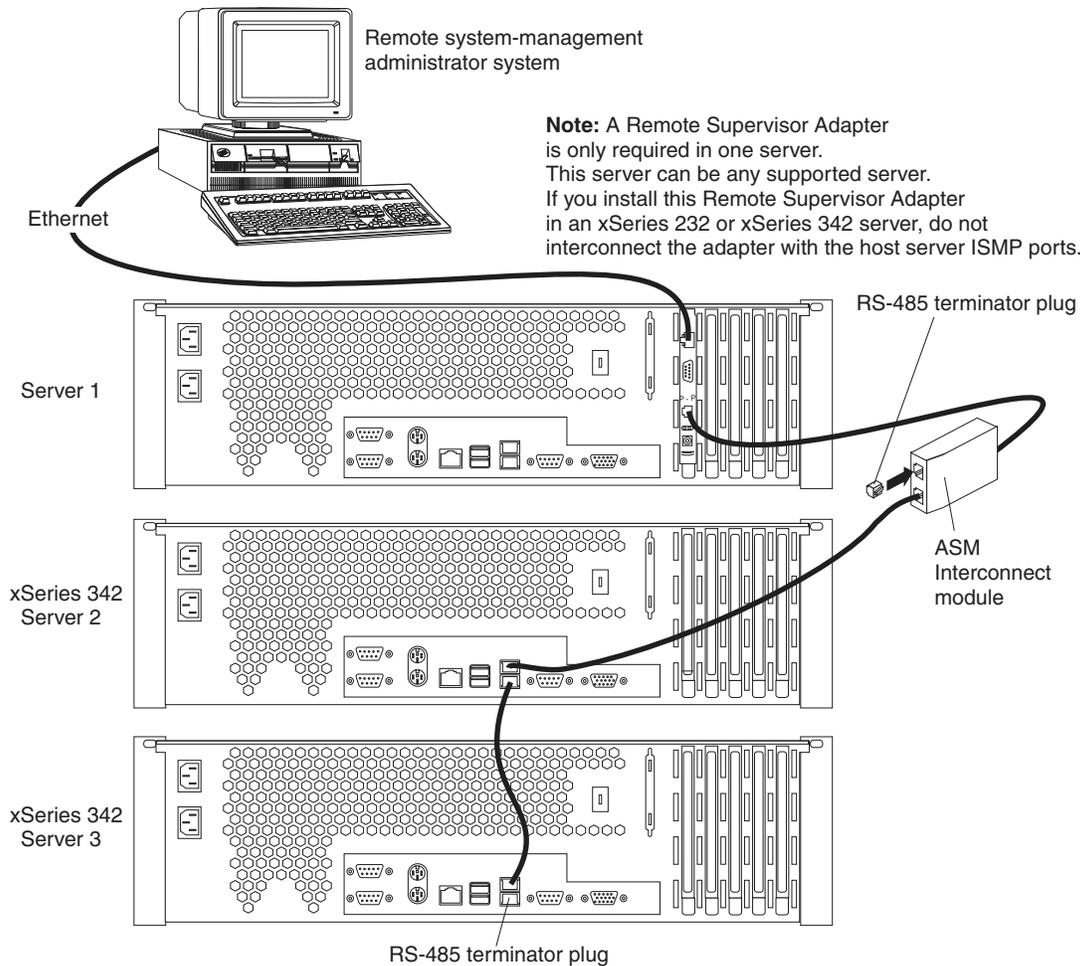
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## Connecting the servers

In the following example, an Ethernet cable connects the remote system-management administrator system to the Remote Supervisor Adapter that is installed in Server 1. In this case, the server uses a LAN connection to forward system-management data generated by the other servers in the ASM Interconnect network to the remote system-management administrator.

**Note:** You can have up to 23 xSeries 232 or xSeries 342 servers in the same ASM Interconnect network if no other server types are connected to the same network. The server that has the Remote Supervisor Adapter installed can be any supported server and does not count as one of the 23.



**Note:** The ASM Interconnect module is attached to the RS-485 P-P (peer to peer) port on the back panel of the Remote Supervisor Adapter.

For more information about the ASM Interconnect network, see the *Remote Supervisor Adapter Installation Guide*.