Release Notes for the Model 281xSA Ethernet Hub

SynOptics

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Introduction

These release notes contain information about the Model 281xSA Ethernet Hub that could not be included in *Using the Model 281xSA Ethernet Hub*. These notes include the following topics:

- Memory upgrades

- Boot options

- Configuration options

- New configuration file keywords

- Known bugs

- Documentation notes

Memory Upgrades

The Model 281xSA Ethernet Hub is shipped with 2 megabytes (MB) of dynamic random-access memory (DRAM). This amount of memory is adequate for most applications. If you increase the size of the DRAM to either 4 MB or 8 MB, the extra memory is immediately available as data space for RMON. If you intend to make extensive use of RMON, it is recommended that you install either 4 or 8 MB of memory. For information about the specific 4- and 8-MB DRAMS recommended by Synoptics®, refer to *Using the Model 281xSA Ethernet Hub*.

Boot Options

If you set the image load mode and the configuration load mode to remote for a hub that is installed in an IPX-only environment, the system loads locally, provided the boot protocol is set to Auto or IPX. The IPX download option for remote loading is provided with this release to minimize agent changes when IPX download support becomes available.

If you have a network that uses only the IPX protocol, and you want to prevent local loads, you can do so by changing the default setting of the boot protocol from Auto to All (or IP_IPX). When the boot protocol is set to All, the system will not revert to a local load because it is directed to find both a TFTP server and an IPX server before it downloads. The system times out and allows you to establish a download from a TFTP server.

Configuration Options

The mechanism for setting the load mode for the configuration and image files (service port, SNMP, or configuration file) can be different for each file. In other words, you can use the service port menus to set the configuration load mode and can modify the configuration file to set the image load mode. You can specify a different load mode (local, remote, or remote w/local) for each file.

New Keywords

The configuration file contains two new keywords for RMON host/matrix control entries. These keywords allow you to set up the host/matrix control entries automatically when the system starts up. The new section of the configuration file is:

```
# If this keyword is present, the agent will automatically setup RMON host
# control entries for all interface(s) present on the NMM at system startup
# time. This keyword does not require any parameter. Default is off.
#rmon-dflt-host
#
# If this keyword is present, the agent will automatically setup RMON matrix
# control entries for all interface(s) present on the NMM at system startup
# time. This keyword does not require any parameter. Default is off.
#rmon-dflt-matrix
```

Known Bugs

Occasionally, under heavy traffic situations, the sum of the protocol distribution counters does not equal 100 percent. This discrepancy occurs because capture of the protocol type requires diagnosis of the packet, and the process for packet diagnosis is independent of MAC-level statistics counting.

Documentation Notes

This section provides corrections or clarifications for specific items in *Using the Model 281xSA Ethernet Hub*.

In Chapter 1, "Overview of the Model 281xSA," the discussion of thresholds on page 1-7 erroneously states that the agent software supports up to 288 thresholds. The correct maximum number of thresholds is 160, as defined in the configuration file and documented in Appendix G, "Setting Up the Model 281xSA Hub Configuration File."

In Chapter 3, "Network Configurations and Cable Connections," Figure 3-11 on page 3-13 shows a cluster configuration consisting of a Model 281xSA and four Model 280xSA hubs. The hubs connected to the Model 281xSA should be labeled as Model 280x hubs; the Model 280x hub is not available in an SA version at this time.

In Chapter 4, "Configuring the Model 281xSA Ethernet Hub for IP/IPX Networks," the description of the p command [Toggle boot protocol] on pages 4-16 through 4-18 does not match the actual screen display. On the Boot main menu, the p command shifts the boot protocol among Auto, IP, IPX, and All, not among Auto, IP, IPX, and IP_IPX, as described in this chapter. If you set boot protocol to All, the system performs as described for the IP_IPX setting.

Related Publications

For more information about using the Model 281xSA Ethernet Hub, refer to *Using the Model 281xSA Ethernet Hub* (SynOptics part number 893-743-A).

To purchase SynOptics product publications, order by part number from SynOptics Press at the following numbers. You may also request a free catalog of SynOptics Press product publications.

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