
Release Notes

NetCCN™ for Intelligent Alarm Panel

Firmware Revision v1.5.1

Release Date: 2003 January 16

Features Added

- The presence fault behavior can be set using the **presflt** CLI command to allow “active presence faults.”
- CCNd (for CCNlib over Ethernet) is now running on the NetCCN. It can be enabled or disabled using the **ccnd** command. You can also specify the TCP port number used by CCNd with the **port** argument (the default port is 2000).
- The **image show** command has been added to display the firmware package and revision information loaded onto each of the flash partitions (as indicated by the LILO stub file).
- The **swinfo** command has been added to display the information (software package, revision number, and release number) of the currently running firmware.
- The ability to get and set MAC addresses with the **netcfg** command, using the **mac** argument, has been added.
- The **netcfg** command was updated to include a **route** argument that displays, sets, or deletes the static route for each ethernet port. Note that only one static route per ethernet port is currently supported.
- The **netcfg** command was updated to include a **gateway** argument that displays, sets, or deletes the default gateway for the NetCCN.
- Support for CCNlib APIs that query or set the IP address and **netmask**.
- Support for CCNlib APIs that query or set the ethernet MAC addresses.
- Support for CCNlib API that queries for the current status of the DEGRADE input signal. This signal is normally not used but in certain systems is used to monitor a peripheral device.
- Support for CCNlib API that queries for the current status of the FAIL input signal. This signal is normally not used but in certain systems is used to monitor a peripheral device.
- Support for CCNlib APIs that query, enable, or disable the **ccnboot** CLI prompt.
- Support for CCNlib APIs that query or set the default boot partition.
- Support for CCNlib APIs that query, enable, or disable CCNd running on the NetCCN.
- Support for CCNlib APIs that query or set the TCP port number used by CCNd.
- The **serial** command was updated to include a new **modem [ena|dis]** argument that enables or disables modem interface functionality on the default modem port, which is serial port 16 (COM1) on the cPCI NetCCN. By default, the modem interface functionality is disabled. Enabling the modem interface prevents excessive serial traffic between the NetCCN’s default modem serial port and the modem when the modem’s carrier detect signal is not asserted.
- Created the hidden command **ledstat** which displays the current status of the NetCCN's front panel LEDs (and the 2 DC power supply fault LEDs which are only used in legacy or 2p7 modes).

Features Changed

- Commands typed at the boot CLI prompt (**ccnboot>**) now return a message indicating success. Note that the boot CLI is disabled by default.
- The command **fpswitch** now features an additional argument, **on**. Setting the front switch to **fpswitch on** enables you to turn the node on from the front panel switch, but not off.

- Modified the NetCCN's startup code so that it does not change its state to "ready" until all of its state information has been properly initialized.

Known Issues

- Starting a CCNlib application program while an image download over CCPUnet is in progress will cause that image download to terminate.
- The **image get** command for transferring an image over CCPUnet will not work if the target node has a firmware version lower than 1.5.1. The recommended work around is to use the **image put** command from a node running v1.5.1 firmware or higher, or the **image get** command from a remote ftp server.
- The **image put** command for transferring an image over CCPUnet fails if the source node is a 486 CPU and the target node is a 586 CPU with v1.4.0 firmware or lower. Also, an **image put** over CCPUnet to multiple target nodes will succeed until it reaches a target node with a 586 CPU with v1.4.0 firmware or lower. It will fail on the 586 CPU node and any other nodes after that whether they have 586 CPUs or 486 CPUs. The recommended work around is to use the **image put** command from nodes with the same CPU types.

Fixed Issues

- The **netcfg** command now allows specifying a default gateway for each Ethernet port.
- Performing a **reset** at the CLI now works properly, i.e., both the processor and the peripheral devices are reset.
- Setting the CAN speed while the CAN ports are disabled no longer enables the ports.
- The issue with the NetCCN reporting the sequence of Hot Swap signal changes out of order upon extraction of a cPCI board has been fixed.
- Specifying invalid node addresses with the **image put** command no longer causes the image transfer process to terminate.
- Typing **info** at the CLI boot prompt (`ccnboot>`) now displays the full hardware serial number (HWSNUM) string.
- Performing a **restart** should no longer result in the occasional reset of the NetCCN.
- Image transfers over CCPUnet between a 486 and Pentium processor will now work correctly.
- Invalid temperature values being displayed when the actual temperature drops below 0 C has been fixed.
- The setting of a serial port parameter (such as baud rate, flow control, char format) on a serial port configured to one of the two serial monitor modes, MON_NO or MON_NC, has been corrected.