



Release Notes

Product	SNC® 5100 Firmware v4.45.22
Date	September 2007

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Purpose of This Release

This release provides Firmware v4.45.22 for the SNC 5100. The SNC 5100 is used with the Scalar 10K. Visit <http://www.quantum.com> for additional information about SNC 5100 and previous releases.

Resolved Issues

This release of Firmware v4.45.22 is based on Firmware 4.45.22. Issues resolved by Firmware 4.45.22 include the following:

Change Request Number	Service Request Number	Description
v4.45.22		
69984		Remove the WatchDog Timer implemented by Change Request 52968. The WatchDog Timer can cause logger commands to occasionally fail to complete.
v4.45.21		
66958		TapePreserve and TapeRestore functions do not properly release allocated memory and eventually can cause SNC510X to lockup.
66949		SNC510X can hang when servicing abnormal conditions when used with SDLTXXX drives.
66940		Prevent Write Protection of Vector Area Memory and correct amem usage functions.
v4.45.20		
61448		Restore stability. Save critical hang data in NVRAM.
v4.45.19		
59413		SNC510X can hang with Rdy LED either Solid OFF or Solid ON.
60018		Implement Processor Exception Handler for the PPC405GP in SNC510X.
60020		Potential to lock out interrupts in lbufPoolGetTimeout function in SNC510X.
v4.45.18		
56424		SNC does not return Reservation Conflict on Mode Sense command.
56886		Host loses SNC and drives after cable pull test.
57118		SNC 5101 in LIP Login loop with 4.45.18 build 1 does not work correctly.
v4.45.17		
55738		Upgrade QLogic Microcode to 3.03.19
55193		SDLT320 Bug Check causes SNC to hang.
54527		SNC 510X incorrectly identifies GBIC devices.
52968		Watchdog timer required to identify and recover 510x hang.
52257		WRITE command with zero transfer length not processed correctly.
50483		Vendor Unique ASC/ASCQ clash with libraries.

Change Request Number	Service Request Number	Description
50287		QLogic debug dump procedure improvement.
50136		ResultFlags not reported for all cases of scsintTapeWriteCDBSent
49427		scsiRescan can hang the CLI.
48777		HPUX ioscan sees ghost devices when invoked against an SNC with VPS enabled.
42933		SCSI device info doesn't show up in Dell SNC Manager Immediately with SNC fw 4.50.03
42000		Drive Dump files have bytes swapped and are unreadable by IBM TOWN Tool.
40947		vpsMapShow should be added to 5k firmware supportDump.
39745		SNC is returning invalid data together with sense data for an invalid lun command.
36296		CLI help command does not display vpsHelp and sfmHelp in the list.
24904		Upgrade QLogic MicroCode to Version 3.03.18
v4.45.16		
41999		Drive Dump files have bytes swapped and are unreadable by IBM TOWN Tool.
41469		The reserveShow command was not displaying the entire port name for an HPUX host.
41457		Sony SDX-700C Drive does not respond to AMC refresh.
41238		SCSI Timeout values incorrect for tape read and write.
40488		SCSI command timeout values not conformant to IBM LTO-x Specifications.
40466		Command Flow Logging: Every playback allocates new copy buffer and does not free if playback interrupted.
39723		IBM Changer ULT3583-TL not in changer device list.
39587		SCSI Over IP: "No Device 6.14.21" message is displayed on SNC when an inquiry command is send to an invalid device.
39534		Need to properly show serial numbers of targets in the mapShowDatabase output
39388		SNC 4000 not properly logging in to McData switch, which prevents the host from discovering the Scalar 24.
38542		uaQueue sending old UAs to host after PLOGI event.
38186		Drive dump was failing on the SNC 5101 and SNC 4000.
37913		CFL was throwing an exception when the log wrapped.
37811		mkRelease doesn't stop if build component is unsuccessful.
37359		Add paCommandFlowLogEnabled variable to SANMgr MIB.
37237		When testing Enhanced Data Streaming, memory that was allocated by dsStart was not released after dsStop.

Change Request Number	Service Request Number	Description
37231		CFL was not using the type field to determine if the log entry was owned by SOIP2.
36626		If there was no memory for a playback copy buffer, CFL was not printing an error message.
36615		The setTimeHost command does not clear input string prior to new input.
36295		snmpSet error on AMC View Event Log with viewing level =0 (All Events).
36216		Command Flow Logging: Events for failed medium changer are not available if changer doesn't respond when SCSI Channel is rescanned.
36157		When testing Enhanced Data Streaming, the test report was displaying MBPS instead of the number of Tape Writes completed.
36156		When testing Enhanced Data Streaming using two Fibre Channel ports concurrently and with the SNC in Target mode, tape test errors were recorded.
36085		When the copy test tool or serverless backup sends an XCOPY command, the Command Flow Logging (CFL) feature was not displaying a completion status.
36075		Request to pull SNC command logs using AMC interface.
35664		Want ability to reset a specified SCSI bus from the CLI and SNMP.

Documentation

The following documents are currently available for the SNC 5100:

Document Number	Document Title
6-00676-05 Rev A	SNC Firmware 4 & 5 User's Guide
6-00020-02 Rev A	SNC 5100 for the Scalar 10K User's Guide

Contacting Quantum

More information about this product is available on the Service and Support website at www.quantum.com/support. The Service and Support Website contains a collection of information, including answers to frequently asked questions (FAQs). You can also access software, firmware, and drivers through this site.

For further assistance, or if training is desired, contact Quantum:

Global Call Center:	+1 800-284-5101
For additional contact information:	www.quantum.com/support
To open a Service Request:	www.quantum.com/esupport

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