



Serial Number Information for SANnet II 200 SCSI Field Replaceable Units (FRU's)

Preface

This document will cover how to find the serial numbers on a SANnet II 200 SCSI RAID Unit. The system administrator should be familiar with the SANnet II unit, how it works, its configuration and how to use one of the specified utilities to manage and maintain the system.

There are four ways to get this information.

- Physically inspect the FRU for the Serial Number
- Use SANscape
- Use SCCLI 2.1.1 or higher
- Use HyperTerminal or Telnet

Note: Not all serial numbers are available via software. This will be noted where applicable.

What is a FRU?

FRU is a **Field Replaceable Unit**. This means it can be replaced in the field or at a customer site. The FRU does not have to be shipped back to the factory for repair unless out of warranty. If under warranty and after the FRU is replaced the faulty FRU must be shipped back to Dot Hill.

What is a FRU ID?

A FRU ID is a Dot Hills Part Number and it is not the Serial Number. A FRU ID will be the same for a specific part like a Power Supply. All Power Supplies will have a FRU ID of FPSA003-xx (xx = revision).

What is a Serial Number?

A Serial Number is an alpha, numeric or alpha-numeric string that is unique to the FRU and is different on all similar parts.

What is Serial Number Warranty Entitlement Verification?

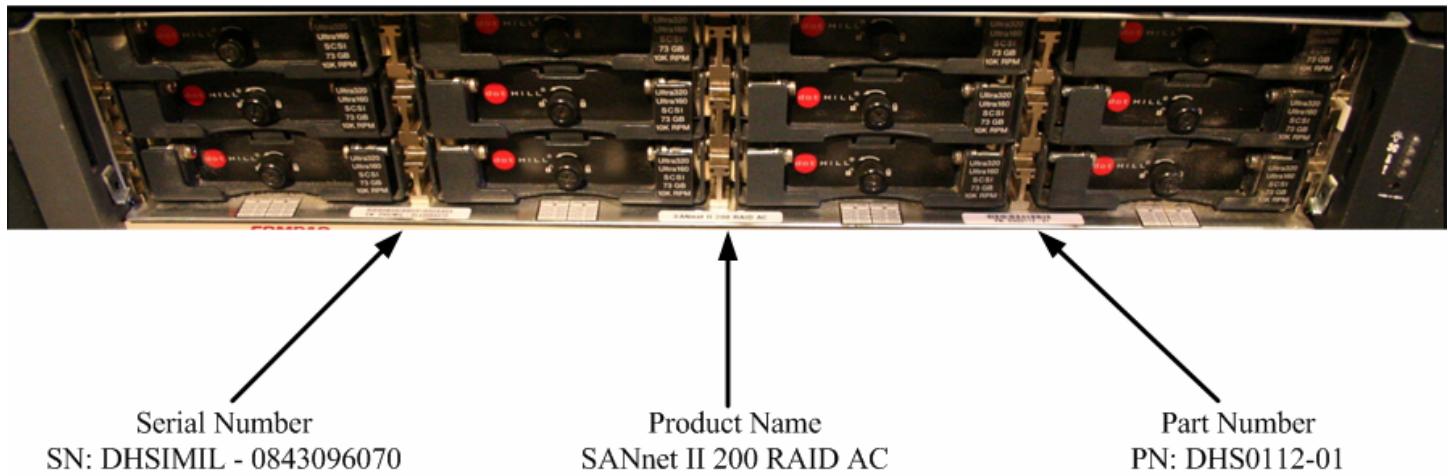
This is to verify warranty entitlement and for Dot Hill to be able to process the proper replacement part for an RMA. In order to process an RMA Dot Hill needs the complete Serial Number of the FRU. Partial Serial Numbers will not be accepted and the RMA will not be processed.

Note: Not all software outputs give the complete Serial Number. In SANscape when you view “View FRU” it only shows the last six alpha, numeric or alpha-numeric string of the Serial Number. In SCCLI under “show fru” it only shows the last six alpha, numeric or alpha-numeric string of the Serial Number as well.

If using a software utility and only get a six alpha, numeric or alpha-numeric string for a serial number, then a physical inspection will be needed to get the complete Serial Number.

Locating the Chassis serial number

SANnet II 200 SCSI Front View



Using SCCLI 2.1.1 to locate Chassis serial number

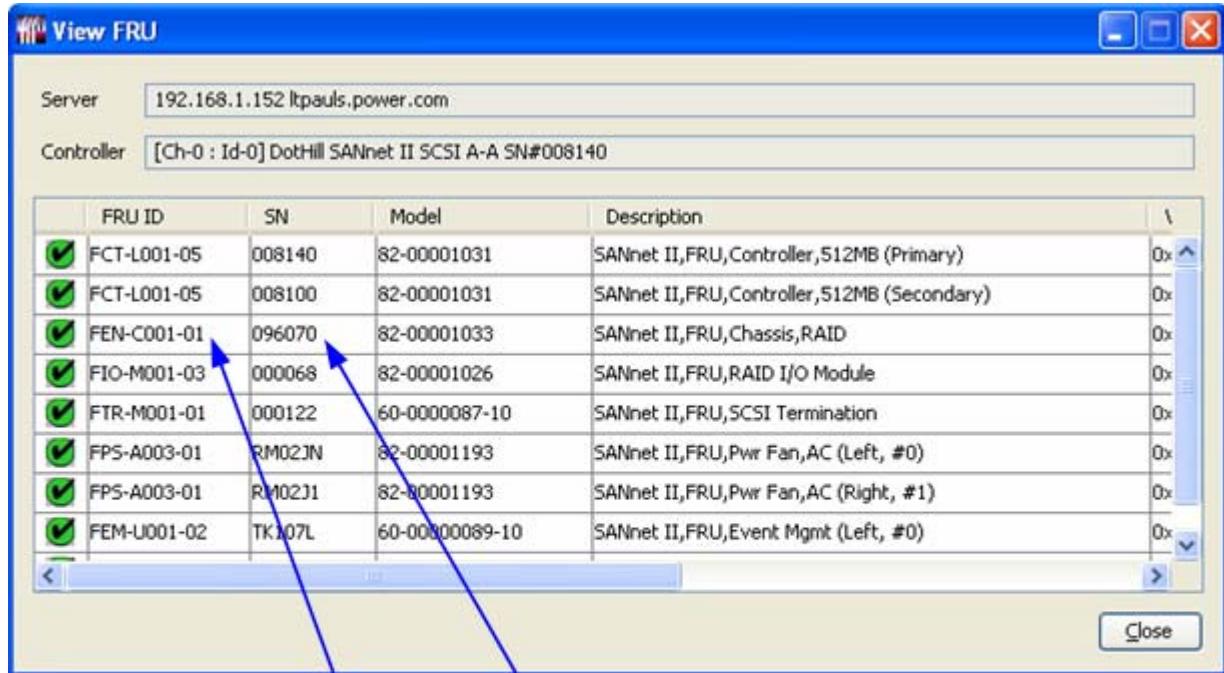
Output will be of all FRU's - Serial Number in Bold Red text – Sample is only of the Chassis fru.

Note: 096070 are the same last 6 numbers of the Serial Number from the physical Chassis view.

SCCLI command
sccli> show fru

Name: RAID_CHASSIS_BKPLN
Description: SANnet II,FRU,Chassis,RAID
Part Number: FEN-C001
Serial Number: **096070**
Revision: 01
Manufacturing Date: Sun Sep 04 11:36:00 2005
Manufacturing Location: Suzhou,China
Manufacturer JEDEC ID: 0x0301
FRU Location: SCSI RAID MIDPLANE SLOT
Chassis Serial Number: 096070
FRU Status: OK

Using SANscape to locate Chassis serial number



The screenshot shows a Windows-style application window titled "View FRU". The window has a blue header bar with the title and standard window controls (minimize, maximize, close). Below the header is a toolbar with two buttons: "Server" and "Controller". The "Server" button is highlighted, showing the IP address "192.168.1.152 ltpauls.power.com". The "Controller" button shows the identifier "[Ch-0 : Id-0] DotHill SANnet II SCSI A-A SN#008140". The main area is a table with the following data:

FRU ID	SN	Model	Description	0x
FCT-L001-05	008140	82-00001031	SANnet II,FRU,Controller,512MB (Primary)	0x
FCT-L001-05	008100	82-00001031	SANnet II,FRU,Controller,512MB (Secondary)	0x
FEN-C001-01	096070	82-00001033	SANnet II,FRU,Chassis,RAID	0x
FIO-M001-03	000068	82-00001026	SANnet II,FRU,RAID I/O Module	0x
FTR-M001-01	000122	60-0000087-10	SANnet II,FRU,SCSI Termination	0x
FPS-A003-01	RM02JN	82-00001193	SANnet II,FRU,Pwr Fan,AC (Left, #0)	0x
FPS-A003-01	RM02J1	82-00001193	SANnet II,FRU,Pwr Fan,AC (Right, #1)	0x
FEM-U001-02	TK107L	60-00000089-10	SANnet II,FRU,Event Mgmt (Left, #0)	0x

At the bottom right of the table is a "Close" button.

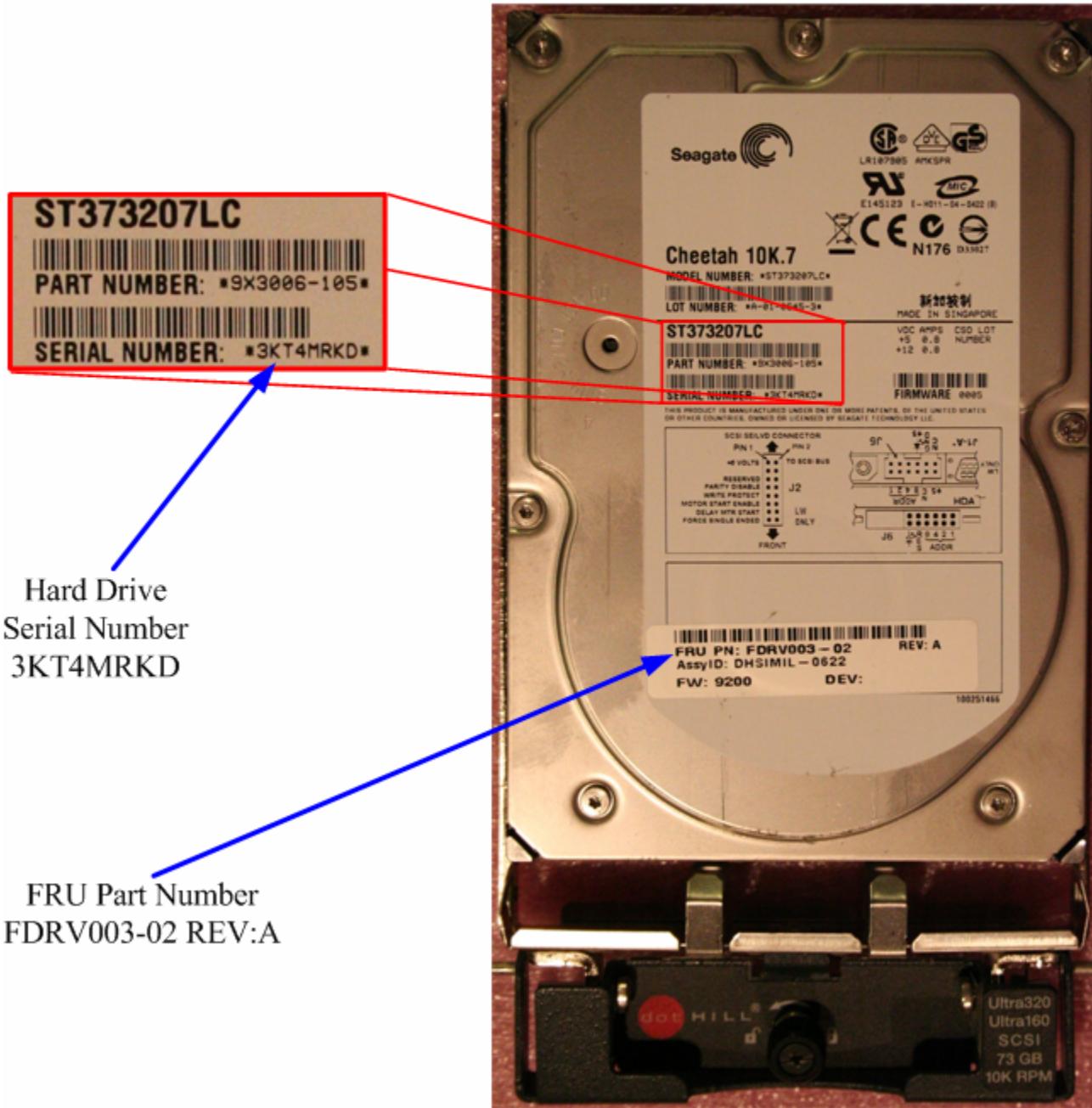
Chassis FRU and Serial Number from SANscape

Using HyperTerminal or Telnet to locate Chassis serial number

Can not get Chassis FRU or Serial Number using this function

Locating a Disk Drive serial number

SANnet II 200 SCSI Hard Drive



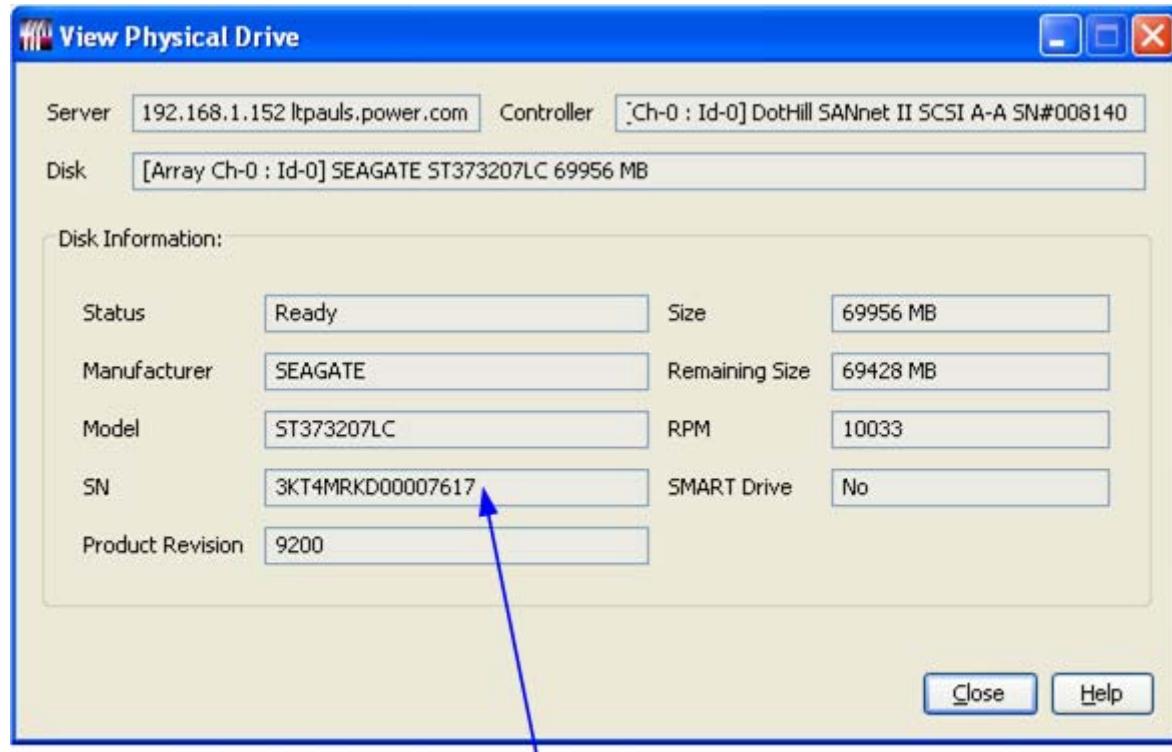
Using SCCLI 2.1.1 to locate Disk Drive serial number

Note: The drive in Ch0 ID0 is the same drive in the previous picture of a drive. It is highlighted in red bold text below. The disk drive serial number is the part only in red. Do not need to include the rest of the string.

sccli> show disks

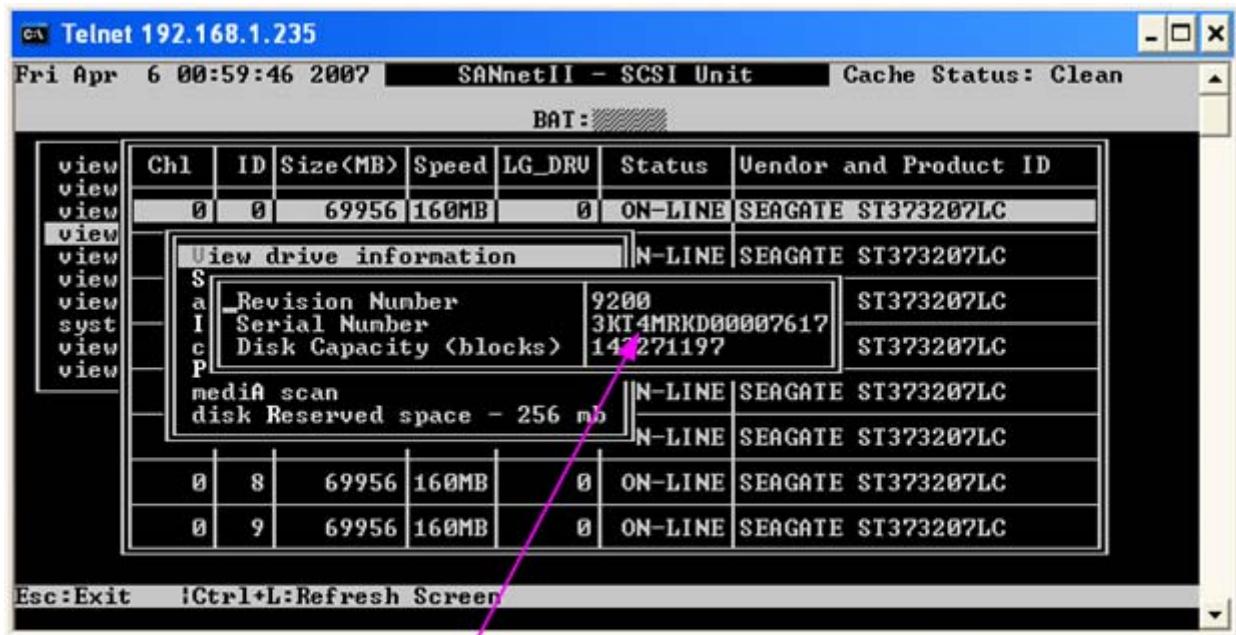
Ch	Id	Size	Speed	LD	Status	IDs	Rev
0	0	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4MRKD 00007617	9200
0	1	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4MPTQ00007610	9200
0	2	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4MQTE00007610	9200
0	3	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4MRF500007617	9200
0	4	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4MRZP00007616	9200
0	5	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4MPJN00007617	9200
0	8	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4L51F00007612	9200
0	9	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4MPLJ00007610	9200
0	10	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4MRN700007616	9200
0	11	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4LZTM00007644	9200
0	12	68.32GB	160MB	1d0	ONLINE	SEAGATE ST373207LC S/N 3KT4M0ZX00007644	9200
0	13	68.32GB	160MB	GLOBAL STAND-BY	SEAGATE ST373207LC S/N 3KT4MPPZ00007610		9200

Using SANscape to locate Disk Drive serial number



Drive Serial Number

Using HyperTerminal or Telnet to locate Disk Drive serial number

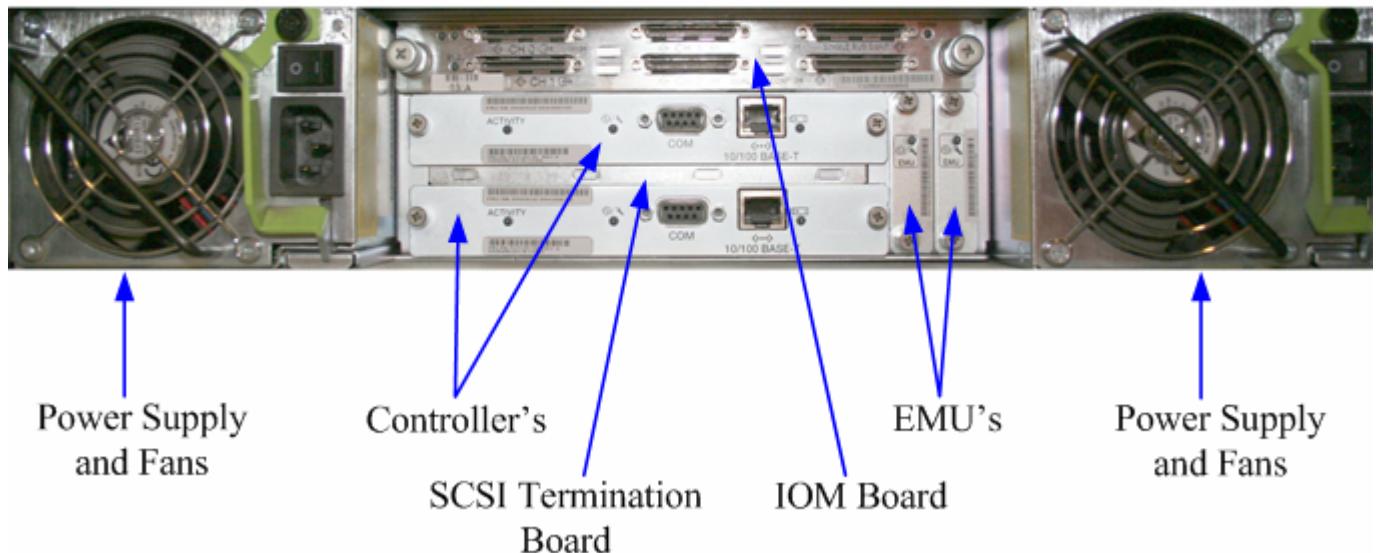


Drive Serial Number

Note: No FRU information only Serial Number.

Rear View of SANnet II 200 SCSI RAID Unit

SANnet II 200 SCSI RAID Rear View



Locating EMU Serial Number

SANnet II 200 SCSI EMU Board



FRU Serial Number
SN: DHSISUZ-0537TK107M

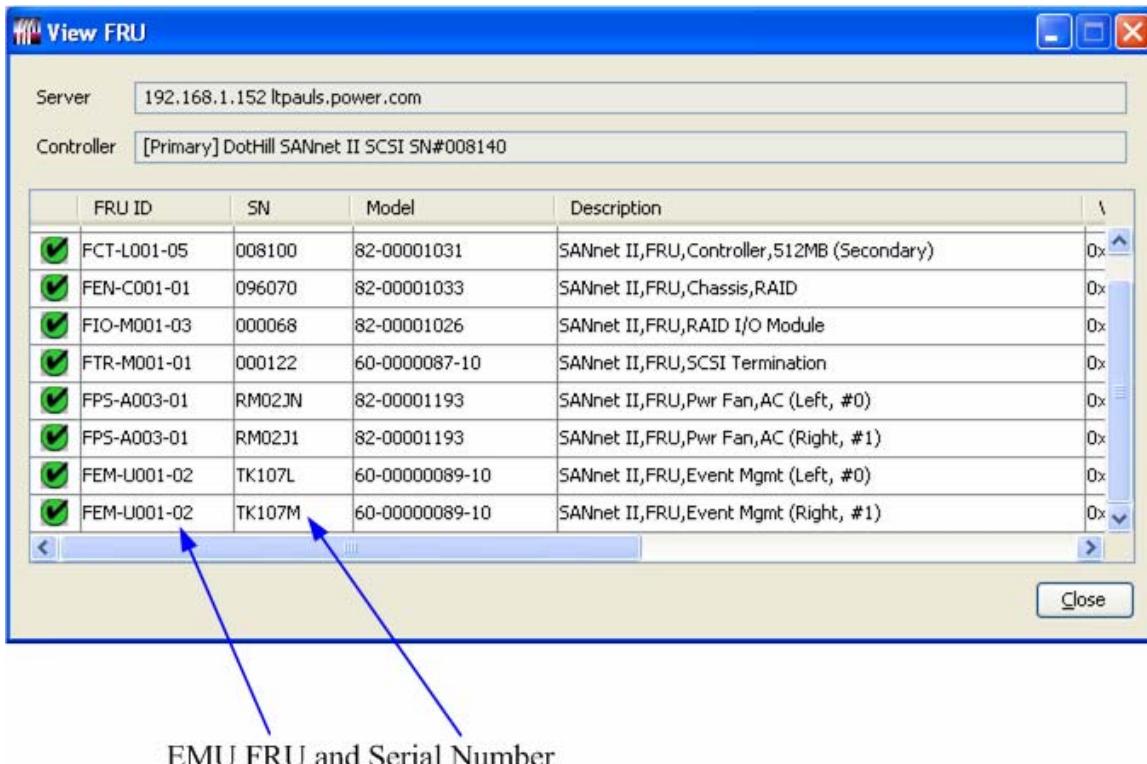
Using SCCLI 2.1.1 to locate EMU serial number

Output will be of all FRU's - Serial Number in Bold Red text – Sample is only of the EMU_BOARD fru.

Note: TK107M are the same last six alpha-numeric of the Serial Number from the physical EMU Board view.

```
sccli> show fru
Name: EMU_BOARD
Description: SANnet II,FRU,Event Mgmt
Part Number: FEM-U001
Serial Number: TK107M
Revision: 02
Manufacturing Date: Sat Sep 17 01:18:50 2005
Manufacturing Location: Suzhou,China
Manufacturer JEDEC ID: 0x0301
FRU Location: EMU BOARD SLOT #1 (RIGHT)
Chassis Serial Number: 096070
FRU Status: OK
```

Using SANscape to locate EMU serial number



The screenshot shows the SANscape View FRU window. The window has a title bar 'View FRU' and a 'Close' button. It contains two input fields: 'Server' (192.168.1.152 ltpauls.power.com) and 'Controller' ([Primary] DotHill SANnet II SCSI SN#008140). Below these is a table with columns: FRU ID, SN, Model, Description, and a hex column. The table lists several FRUs, including FCT-L001-05, FEN-C001-01, FIO-M001-03, FTR-M001-01, FPS-A003-01, and two entries for FEM-U001. The second FEM-U001 entry has SN TK107M and is highlighted with a blue arrow. The table has scroll bars on the right and bottom.

FRU ID	SN	Model	Description	
FCT-L001-05	008100	82-00001031	SANnet II,FRU,Controller,512MB (Secondary)	0x
FEN-C001-01	096070	82-00001033	SANnet II,FRU,Chassis,RAID	0x
FIO-M001-03	000068	82-00001026	SANnet II,FRU,RAID I/O Module	0x
FTR-M001-01	000122	60-0000087-10	SANnet II,FRU,SCSI Termination	0x
FPS-A003-01	RM02JN	82-00001193	SANnet II,FRU,Pwr Fan,AC (Left, #0)	0x
FPS-A003-01	RM02J1	82-00001193	SANnet II,FRU,Pwr Fan,AC (Right, #1)	0x
FEM-U001-02	TK107L	60-00000089-10	SANnet II,FRU,Event Mgmt (Left, #0)	0x
FEM-U001-02	TK107M	60-00000089-10	SANnet II,FRU,Event Mgmt (Right, #1)	0x

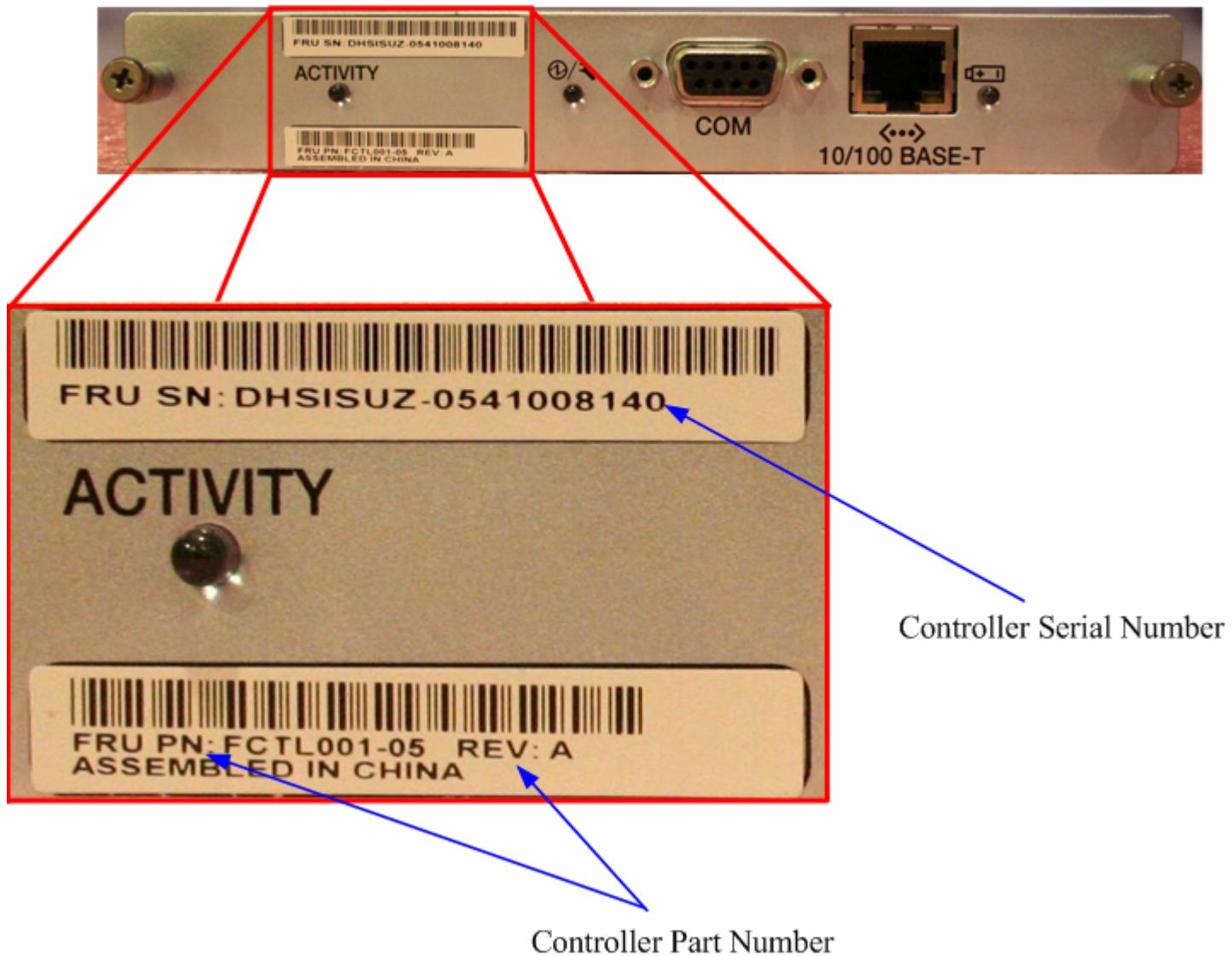
EMU FRU and Serial Number

Using HyperTerminal or Telnet to locate EMU serial number

Note: Not available through HyperTerminal or Telnet

Locating a Controller serial number

SANnet II 200 SCSI Controller



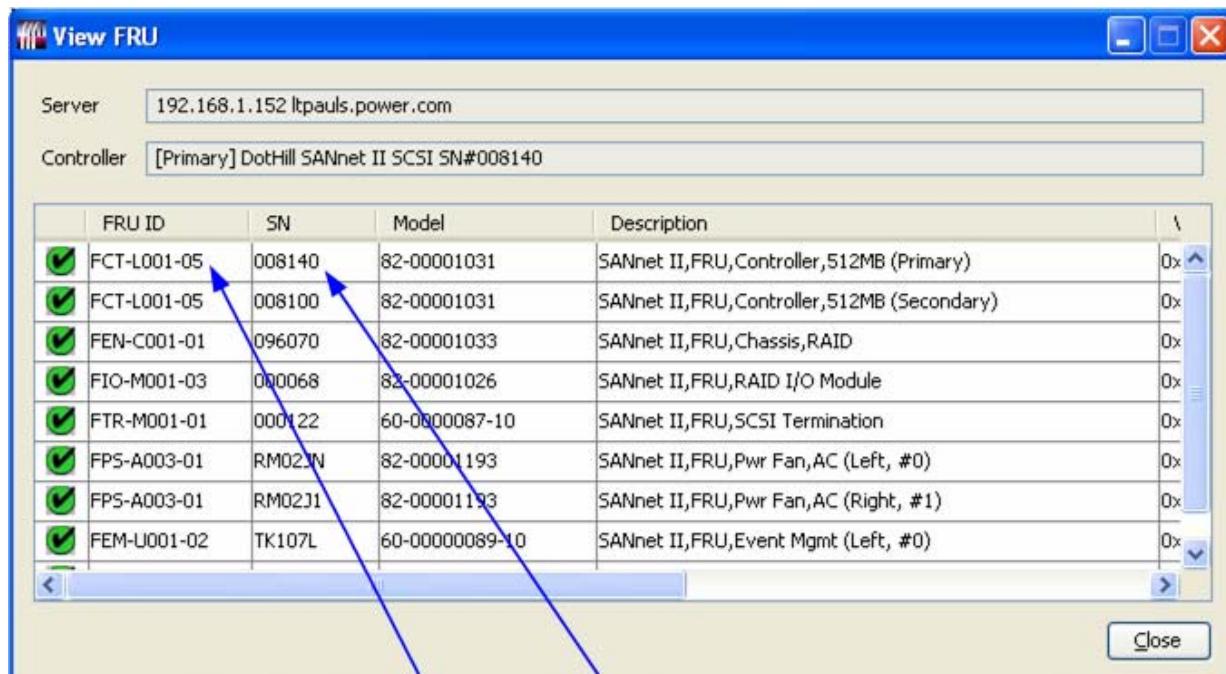
Using SCCLI 2.1.1 to locate Controller serial number

Output will be of all FRU's - Serial Number in Bold Red text – Sample is only of the Controller fru.

Note: 008140 are the same last six numbers of the Serial Number from the physical Controller view.

```
sccli> show fru
Name: PRI RAID CONTROLLER
Description: SANnet II,FRU,Controller,512MB
Part Number: FCT-L001
Serial Number: 008140
Revision: 05
Manufacturing Date: Fri Oct 28 22:06:47 2005
Manufacturing Location: Suzhou,China
Manufacturer JEDEC ID: 0x0301
FRU Location: PRIMARY CONTROLLER SLOT
Chassis Serial Number: 096070
FRU Status: OK
```

Using SANscape to locate Controller serial number



FRU ID	SN	Model	Description	0x
<input checked="" type="checkbox"/> FCT-L001-05	008140	82-00001031	SANnet II,FRU,Controller,512MB (Primary)	0x
<input checked="" type="checkbox"/> FCT-L001-05	008100	82-00001031	SANnet II,FRU,Controller,512MB (Secondary)	0x
<input checked="" type="checkbox"/> FEN-C001-01	096070	82-00001033	SANnet II,FRU,Chassis,RAID	0x
<input checked="" type="checkbox"/> FIO-M001-03	000068	82-00001026	SANnet II,FRU,RAID I/O Module	0x
<input checked="" type="checkbox"/> FTR-M001-01	000122	60-00000087-10	SANnet II,FRU,SCSI Termination	0x
<input checked="" type="checkbox"/> FPS-A003-01	RM02JN	82-00001193	SANnet II,FRU,Pwr Fan,AC (Left, #0)	0x
<input checked="" type="checkbox"/> FPS-A003-01	RM02J1	82-00001193	SANnet II,FRU,Pwr Fan,AC (Right, #1)	0x
<input checked="" type="checkbox"/> FEM-U001-02	TK107L	60-00000089-10	SANnet II,FRU,Event Mgmt (Left, #0)	0x

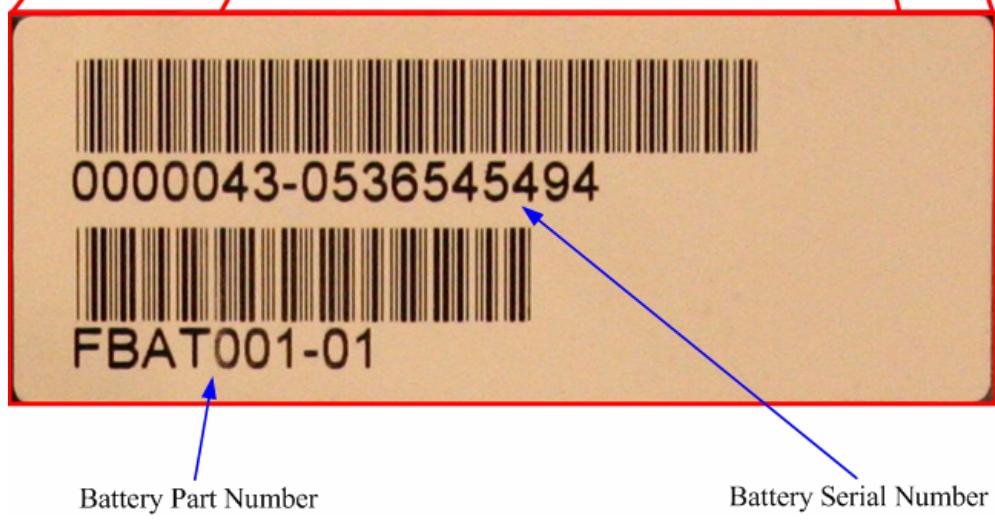
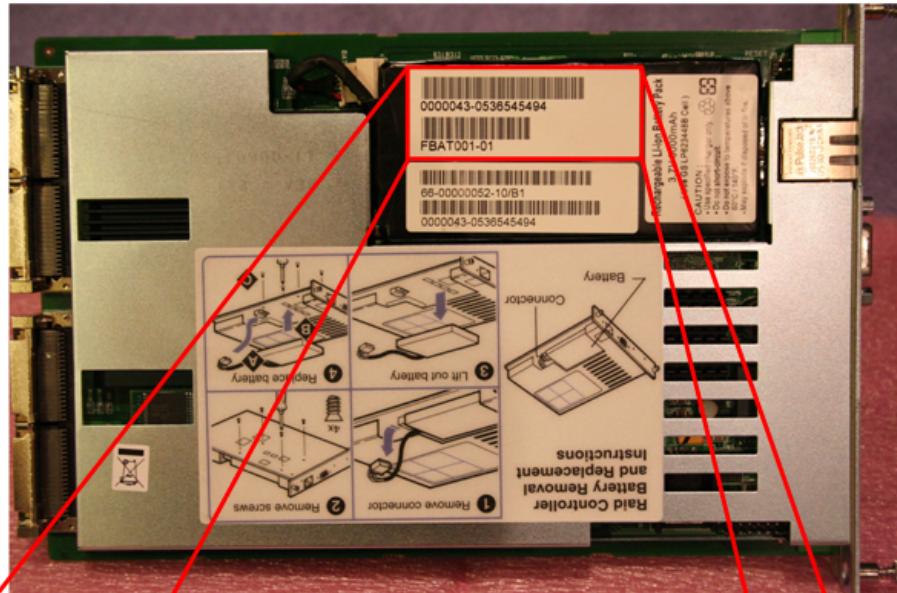
Controller FRU and Serial Number

Using HyperTerminal or Telnet to locate Controller serial number

Note: Not available through HyperTerminal or Telnet

Locating a Battery serial number

SANnet II 200 SCSI Battery



Battery Part Number

Battery Serial Number

Using SCCLI 2.1.1 to locate Battery serial number

Note: Not available through SCCLI

Using SANscape to locate Battery serial number

Note: Not available through SANscape

Using HyperTerminal or Telnet to locate Battery serial number

Note: Not available through HyperTerminal or Telnet

Locating a Power Supply serial number

Note: The Part Number and Serial Number are located on the right side of each power supply. If the right power supply or fans are bad and the unit is rack mounted you will need to pull the power supply out to get the serial number for physical inspection. Otherwise you can use one of the optional software packages.

SANnet II SCSI Power Supply with Fans



Power Supply Part Number
FPSA003-01

Power Supply Serial Number
DHSIDNG-0517RM02J1

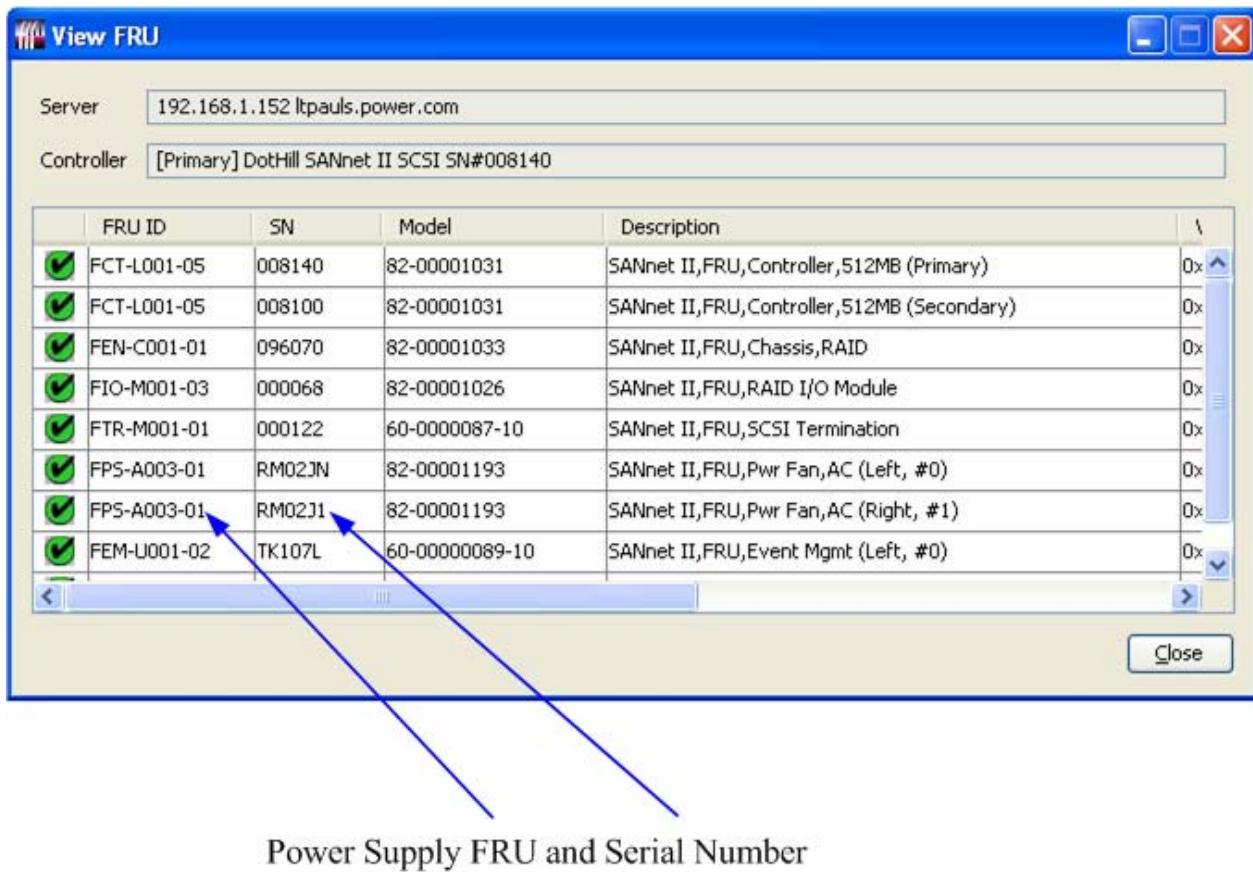
Using SCCLI 2.1.1 to locate Power Supply serial number

Output will be of all FRU's - Serial Number in Bold Red text – Sample is only of the Power Supply fru.

Note: RM02J1 are the same last six alpha-numeric of the Serial Number from the physical Power Supply view.

```
sccli> show fru
Name: AC_POWER_SUPPLY
Description: SANnet II,FRU,Pwr Fan,AC
Part Number: FPS-A003
Serial Number: RM02J1
Revision: 01
Manufacturing Date: Mon Apr 18 19:15:43 2005
Manufacturing Location: Irvine California, USA
Manufacturer JEDEC ID: 0x048F
FRU Location: RIGHT AC PSU SLOT #1 (RIGHT)
Chassis Serial Number: 096070
FRU Status: OK
```

Using SANscape to locate Power Supply serial number



The screenshot shows the SANscape 'View FRU' window. The 'Server' field is set to 192.168.1.152 ltpauls.power.com and the 'Controller' field is set to [Primary] DotHill SANnet II SCSI SN#008140. The table lists the following FRUs:

	FRU ID	SN	Model	Description	0x
<input checked="" type="checkbox"/>	FCT-L001-05	008140	82-00001031	SANnet II,FRU,Controller,512MB (Primary)	0x
<input checked="" type="checkbox"/>	FCT-L001-05	008100	82-00001031	SANnet II,FRU,Controller,512MB (Secondary)	0x
<input checked="" type="checkbox"/>	FEN-C001-01	096070	82-00001033	SANnet II,FRU,Chassis,RAID	0x
<input checked="" type="checkbox"/>	FIO-M001-03	000068	82-00001026	SANnet II,FRU,RAID I/O Module	0x
<input checked="" type="checkbox"/>	FTR-M001-01	000122	60-0000087-10	SANnet II,FRU,SCSI Termination	0x
<input checked="" type="checkbox"/>	FPS-A003-01	RM02JN	82-00001193	SANnet II,FRU,Pwr Fan,AC (Left, #0)	0x
<input checked="" type="checkbox"/>	FPS-A003-01	RM02J1	82-00001193	SANnet II,FRU,Pwr Fan,AC (Right, #1)	0x
<input checked="" type="checkbox"/>	FEM-U001-02	TK107L	60-00000089-10	SANnet II,FRU,Event Mgmt (Left, #0)	0x

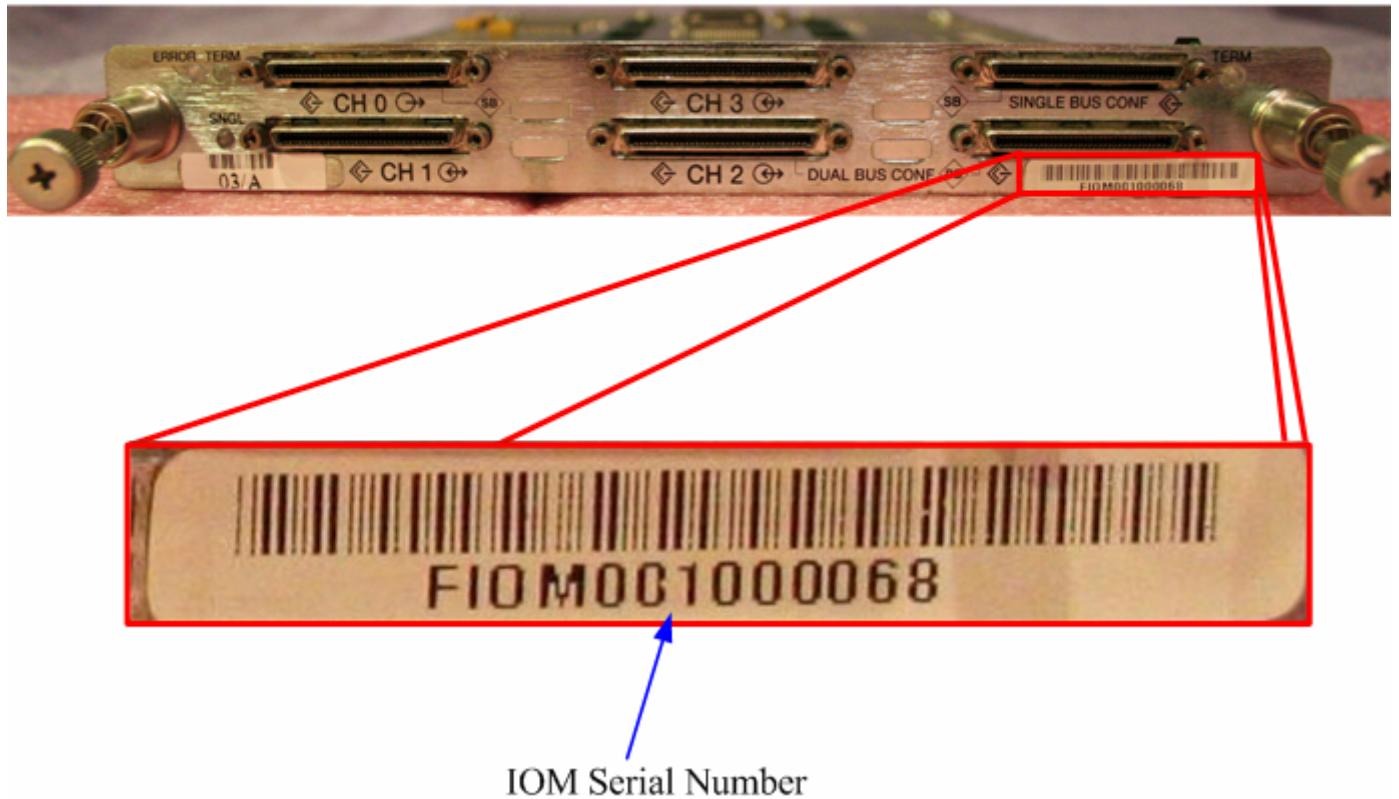
Power Supply FRU and Serial Number

Using HyperTerminal or Telnet to Power Supply serial number

Note: Not Available through HyperTerminal or Telnet

Locating the RAID unit IOM serial number

SANnet II 200 SCSI IOM Board



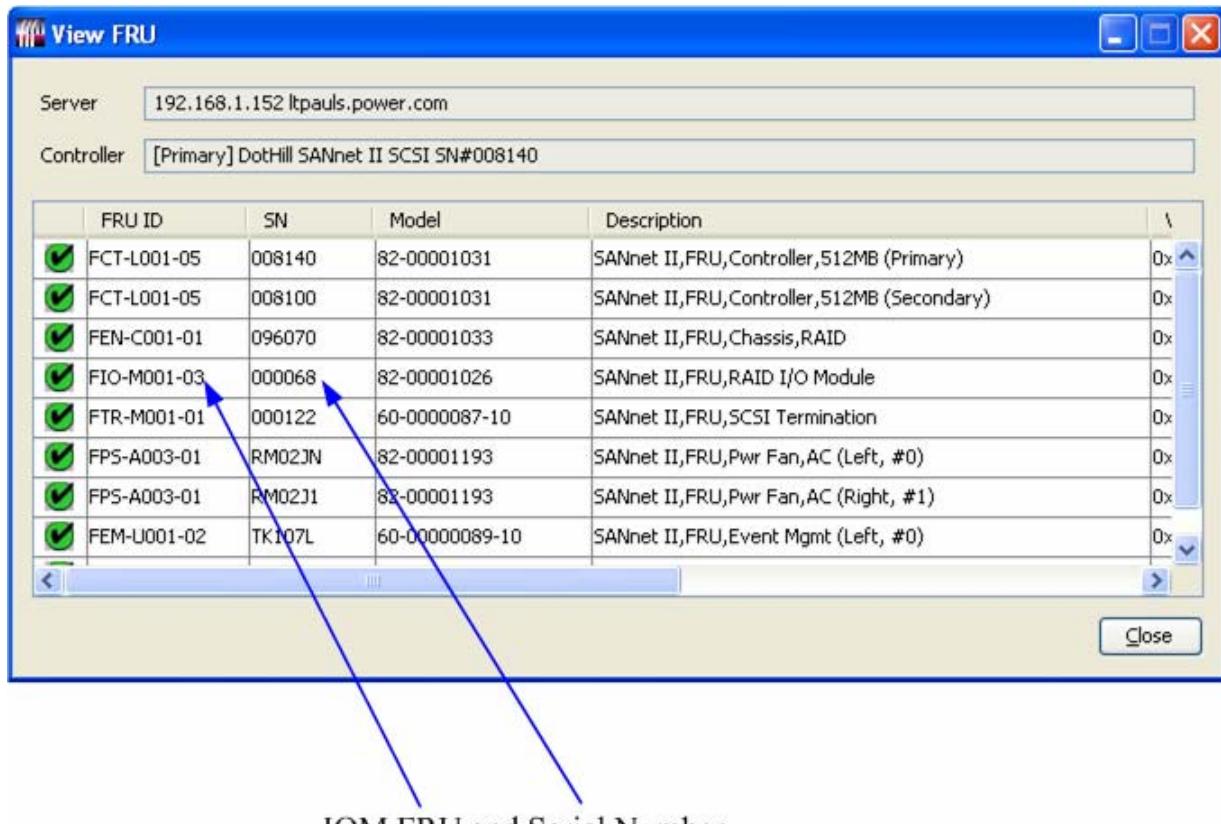
Using SCCLI 2.1.1 to locate IOM serial number

Output will be of all FRU's - Serial Number in Bold Red text – Sample is only of the IOM fru.

Note: 000068 are the same last six numbers of the Serial Number from the physical IOM view.

```
sccli> show fru
Name: RAID_IO_BOARD
Description: SANnet II,FRU,RAID I/O Module
Part Number: FIO-M001
Serial Number: 000068
Revision: 03
Manufacturing Date: Sat Sep 25 01:06:40 2004
Manufacturing Location: Milpitas California, USA
Manufacturer JEDEC ID: 0x0301
FRU Location: SCSI RAID IO BOARD SLOT
Chassis Serial Number: 096070
FRU Status: OK
```

Using SANscape to locate IOM serial number



The screenshot shows the SANscape View FRU window. The 'Server' field is set to 192.168.1.152 ltpauls.power.com. The 'Controller' field is set to [Primary] DotHill SANnet II SCSI SN#008140. The main table lists the following FRUs:

FRU ID	SN	Model	Description	0x
FCT-L001-05	008140	82-00001031	SANnet II,FRU,Controller,512MB (Primary)	0x
FCT-L001-05	008100	82-00001031	SANnet II,FRU,Controller,512MB (Secondary)	0x
FEN-C001-01	096070	82-00001033	SANnet II,FRU,Chassis,RAID	0x
FIO-M001-03	000068	82-00001026	SANnet II,FRU,RAID I/O Module	0x
FTR-M001-01	000122	60-0000087-10	SANnet II,FRU,SCSI Termination	0x
FPS-A003-01	RM02JN	82-00001193	SANnet II,FRU,Pwr Fan,AC (Left, #0)	0x
FPS-A003-01	RM02J1	82-00001193	SANnet II,FRU,Pwr Fan,AC (Right, #1)	0x
FEM-U001-02	TK107L	60-00000089-10	SANnet II,FRU,Event Mgmt (Left, #0)	0x

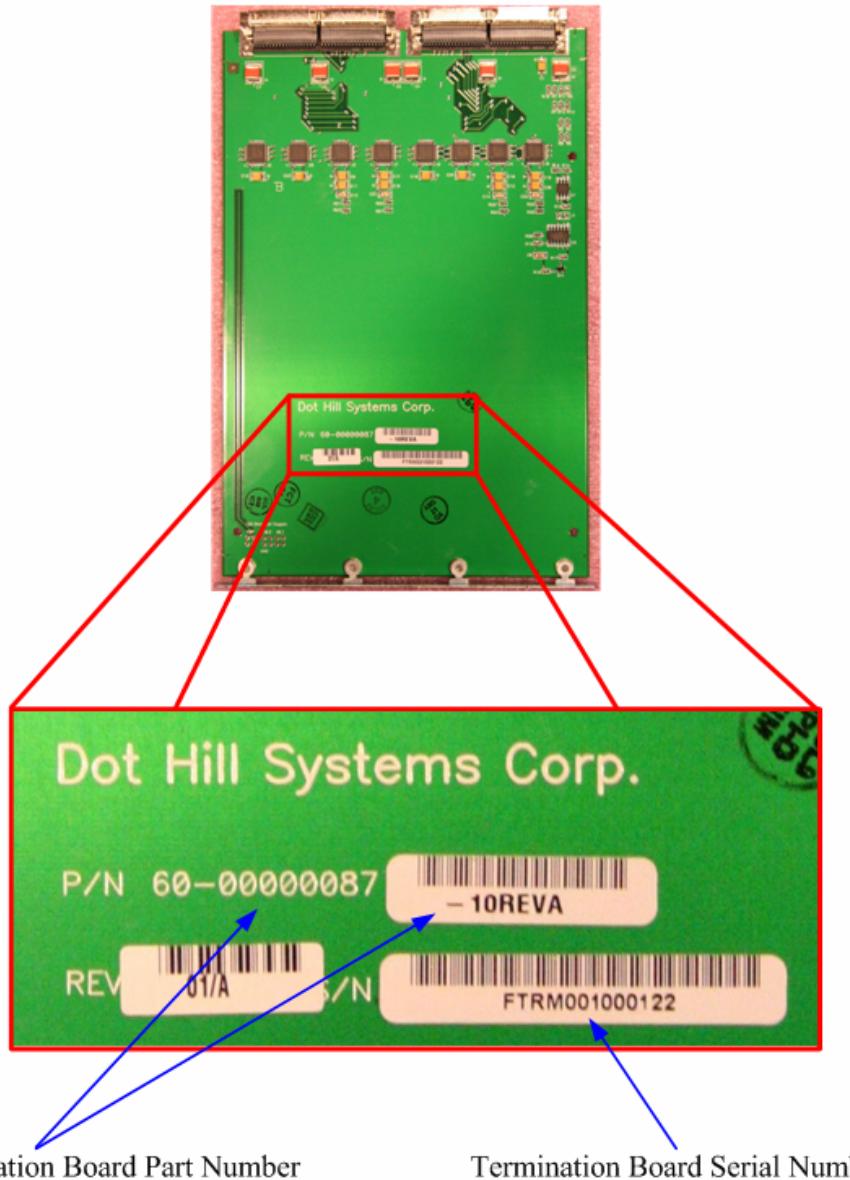
Below the table, a blue arrow points to the row for FIO-M001-03 with Serial Number 000068, with the label "IOM FRU and Serial Number" positioned below the arrow.

Using HyperTerminal or Telnet to IOM serial number

Note: Not Available through HyperTerminal or Telnet

Locating the SCSI Termination Board Serial Number

SANnet II 200 SCSI Termination Board



Note: The only way to remove the SCSI Termination Board to physically inspect the serial number is to remove both controllers and you will see what looks like a metal spacer in-between where both controllers were. Pull that spacer board out and that is the SCSI Termination Board.

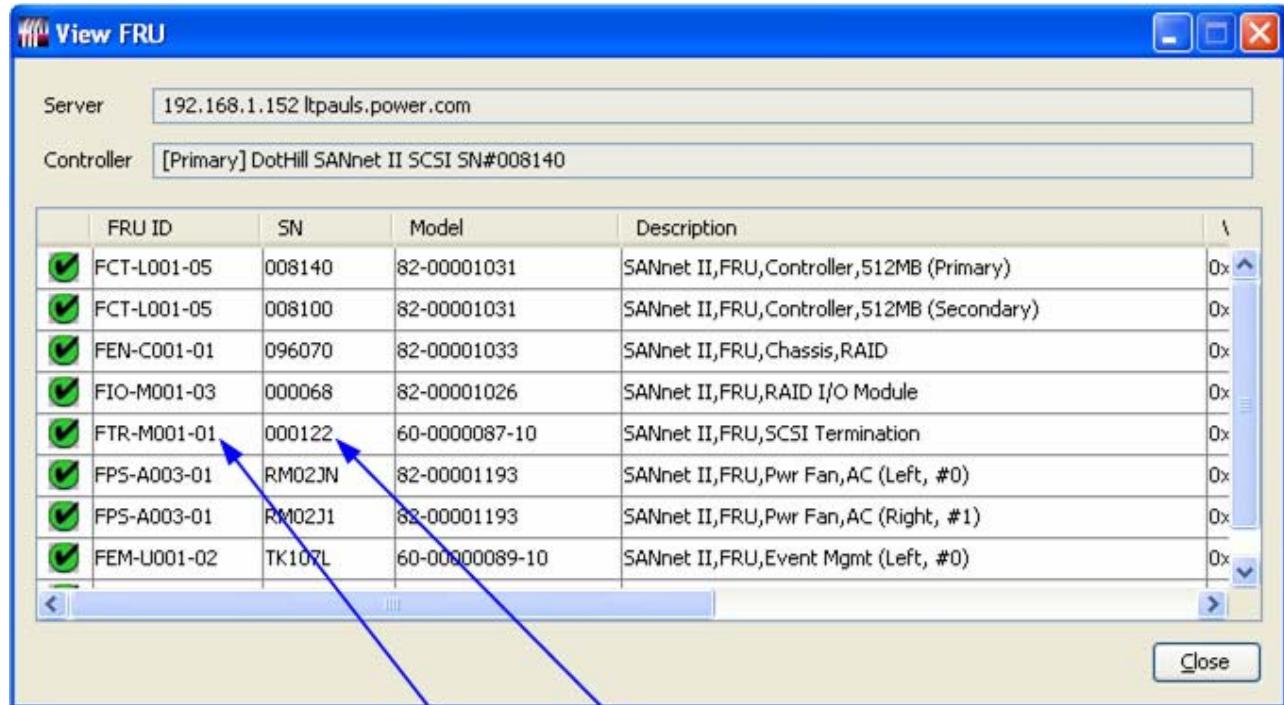
Using SCCLI 2.1.1 to locate SCSI Termination Board serial number

Output will be of all FRU's - Serial Number in Bold Red text – Sample is only of the Termination Board fru.

Note: 000122 are the same last six numbers of the Serial Number from the physical Termination Board view.

```
sccli> show fru
Name: TERMINATOR_BOARD
Description: SANnet II,FRU,SCSI Termination
Part Number: FTR-M001
Serial Number: 000122
Revision: 01
Manufacturing Date: Mon Sep 29 21:18:00 2003
Manufacturing Location: Milpitas,CA,USA
Manufacturer JEDEC ID: 0x0301
FRU Location: SCSI TERMINATOR SLOT
Chassis Serial Number: 096070
FRU Status: OK
```

Using SANscape to locate SCSI Termination Board serial number



Termination Board FRU and Serial Number

Using HyperTerminal or Telnet to locate SCSI Termination Board serial number

Note: Not available through HyperTerminal or Telnet