



## 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



Serial Number

SN: DHSIMIL - 0843096070

Product Name

SANnet II 200 RAID AC

Part Number

PN: DHS0112-01

## 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

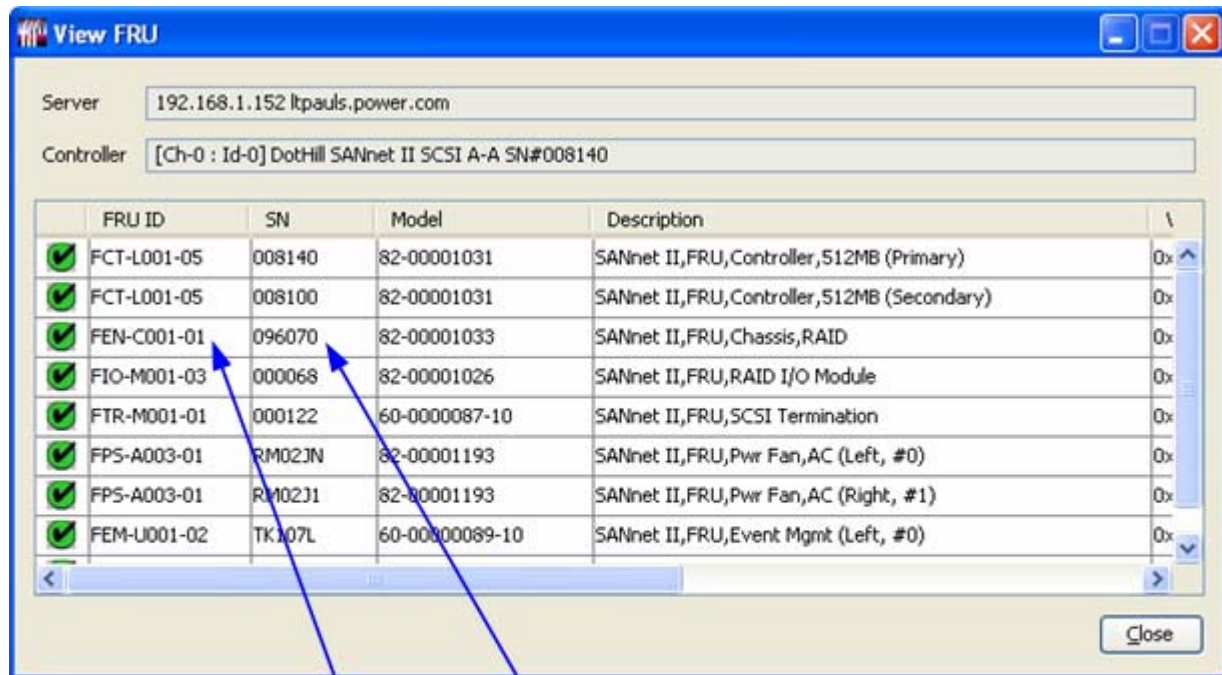
Manufacturer JEDEC ID: 0x0301

FRU Location: SCSI RAID MIDPLANE SLOT

Chassis Serial Number: 096070

FRU Status: OK

### *Using SANscape to locate Chassis serial number*



View FRU

Server: 192.168.1.152 ltpauls.power.com

Controller: [Ch-0 : Id-0] DotHill SANnet II SCSI A-A SN#008140

	FRU ID	SN	Model	Description	
✓	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	60-0000089-10	SANnet II,FRU,Event Mgmt (Left, #0)	0x v

Close

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

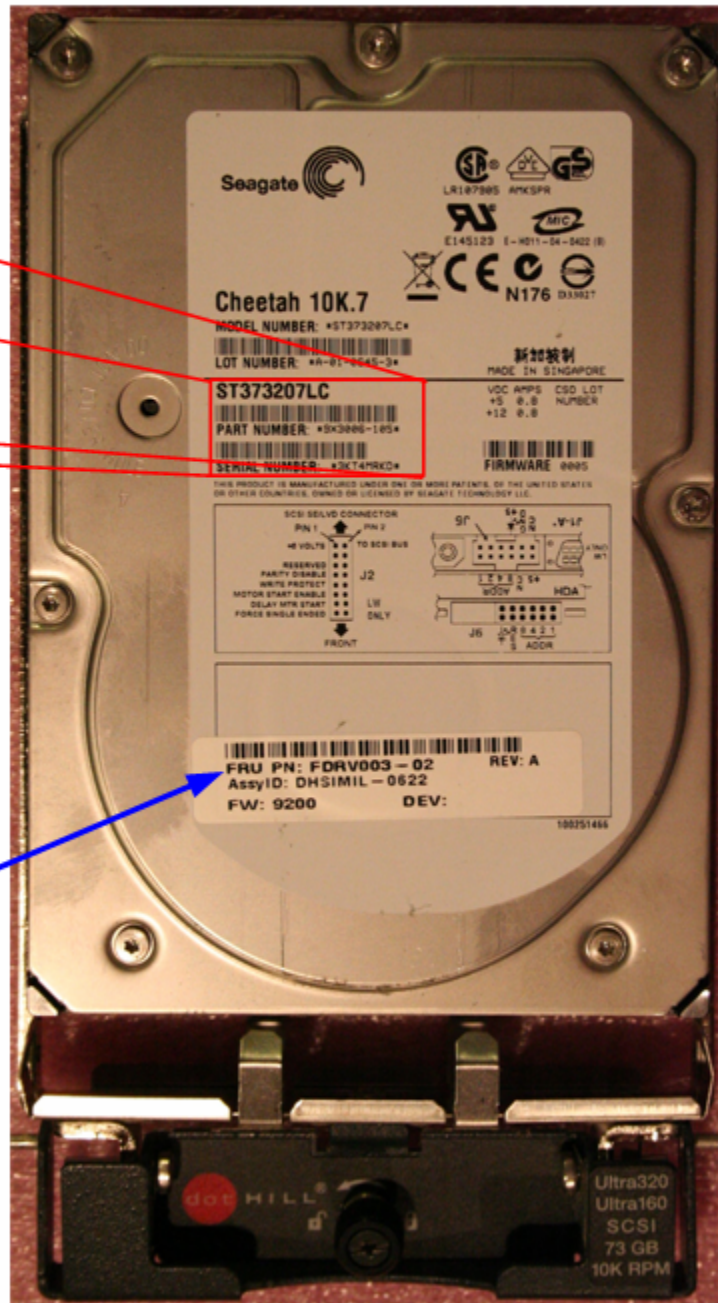
## Locating a Disk Drive serial number

# SANnet II 200 SCSI Hard Drive



Hard Drive  
Serial Number  
3KT4MRKD

FRU Part Number  
FDRV003-02 REV:A



### *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	ld0	ONLINE	SEAGATE ST373207LC S/N <b>3KT4MRKD</b> 00007617	9200
0	1	68.32GB	160MB	ld0	ONLINE	SEAGATE ST373207LC S/N 3KT4MPTQ00007610	9200
0	2	68.32GB	160MB	ld0	ONLINE	SEAGATE ST373207LC S/N 3KT4MQTE00007610	9200
0	3	68.32GB	160MB	ld0	ONLINE	SEAGATE ST373207LC S/N 3KT4MRF500007617	9200
0	4	68.32GB	160MB	ld0	ONLINE	SEAGATE ST373207LC S/N 3KT4MRZP00007616	9200
0	5	68.32GB	160MB	ld0	ONLINE	SEAGATE ST373207LC S/N 3KT4MPJN00007617	9200
0	8	68.32GB	160MB	ld0	ONLINE	SEAGATE ST373207LC S/N 3KT4L51F00007612	9200
0	9	68.32GB	160MB	ld0	ONLINE	SEAGATE ST373207LC S/N 3KT4MPLJ00007610	9200
0	10	68.32GB	160MB	ld0	ONLINE	SEAGATE ST373207LC S/N 3KT4MRN700007616	9200
0	11	68.32GB	160MB	ld0	ONLINE	SEAGATE ST373207LC S/N 3KT4LZTM00007644	9200
0	12	68.32GB	160MB	ld0	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*

**View Physical Drive**

Server: 192.168.1.152 ltpauls.power.com    Controller: [Ch-0 : Id-0] Dothill SANnet II SCSI A-A SN#008140

Disk: [Array Ch-0 : Id-0] SEAGATE ST373207LC 69956 MB

Disk Information:

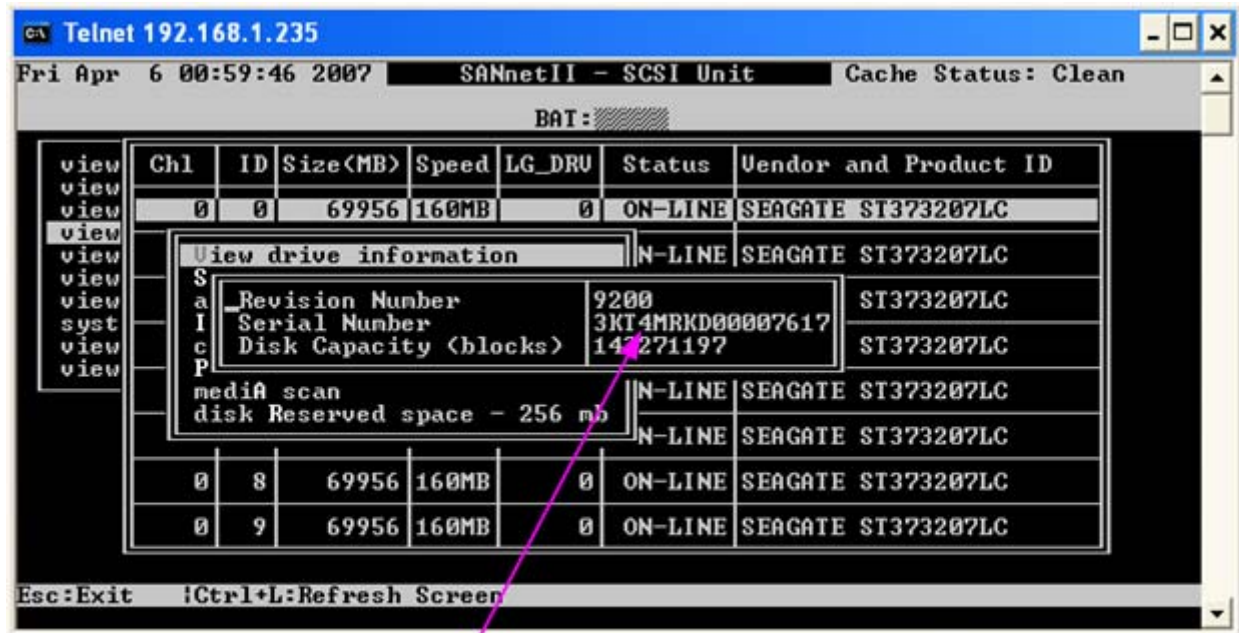
Status	Ready	Size	69956 MB
Manufacturer	SEAGATE	Remaining Size	69428 MB
Model	ST373207LC	RPM	10033
SN	3KT4MRKD00007617	SMART Drive	No
Product Revision	9200		

Close    Help

Drive Serial Number



## Using HyperTerminal or Telnnet to locate Disk Drive serial number



Telnet 192.168.1.235

Fri Apr 6 00:59:46 2007 SANnetII - SCSI Unit Cache Status: Clean

BAT: [REDACTED]

Chl	ID	Size(MB)	Speed	LG_DRU	Status	Vendor and Product ID
0	0	69956	160MB	0	ON-LINE	SEAGATE ST373207LC
View drive information						N-LINE SEAGATE ST373207LC
Revision Number					9200	ST373207LC
Serial Number					3KT4MRKD00007617	ST373207LC
Disk Capacity (blocks)					147271197	ST373207LC
media scan						N-LINE SEAGATE ST373207LC
disk Reserved space - 256 mb						N-LINE SEAGATE ST373207LC
0	8	69956	160MB	0	ON-LINE	SEAGATE ST373207LC
0	9	69956	160MB	0	ON-LINE	SEAGATE ST373207LC

Esc:Exit !Ctrl+L:Refresh Screen

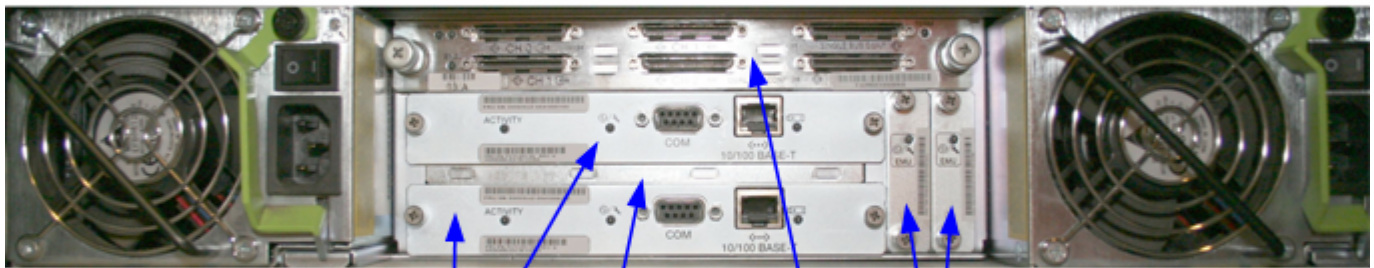
Drive Serial Number

Note: No FRU information only Serial Number.



## Rear View of SANnet II 200 SCSI RAID Unit

# SANnet II 200 SCSI RAID Rear View



Power Supply  
and Fans

Controller's

SCSI Termination  
Board

IOM Board

EMU's

Power Supply  
and Fans

## Locating EMU Serial Number

# SANnet II 200 SCSI EMU Board



FRU Serial Number  
SN: DHSISUZ-0537TK107M

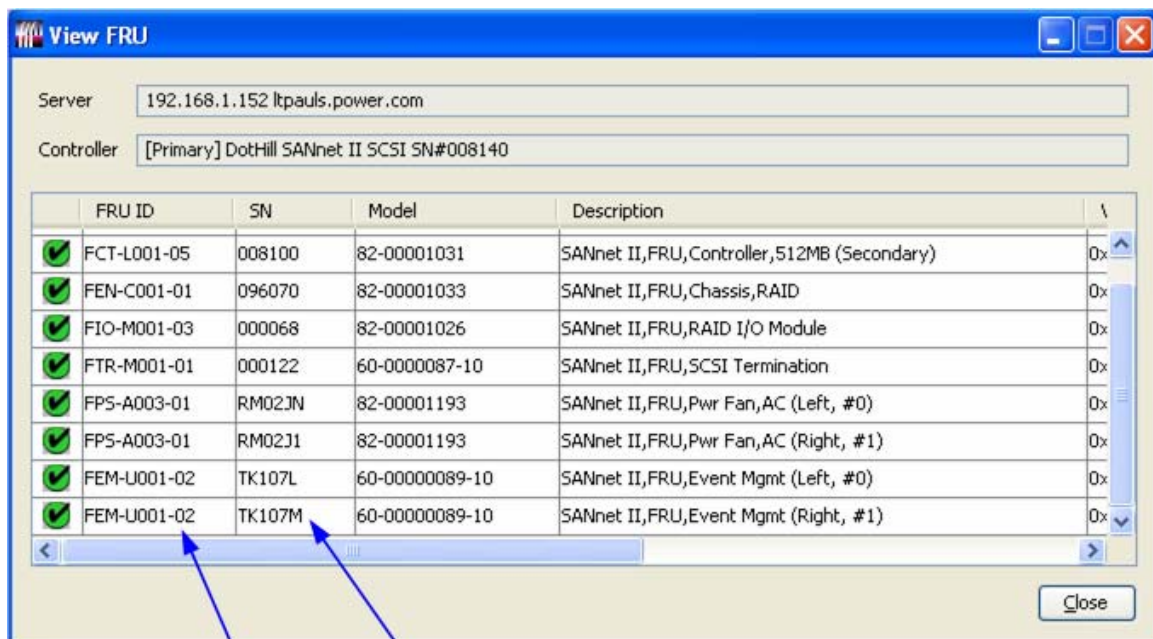
### *Using SCCLI 2.1.1 to locate EMU serial number*

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*



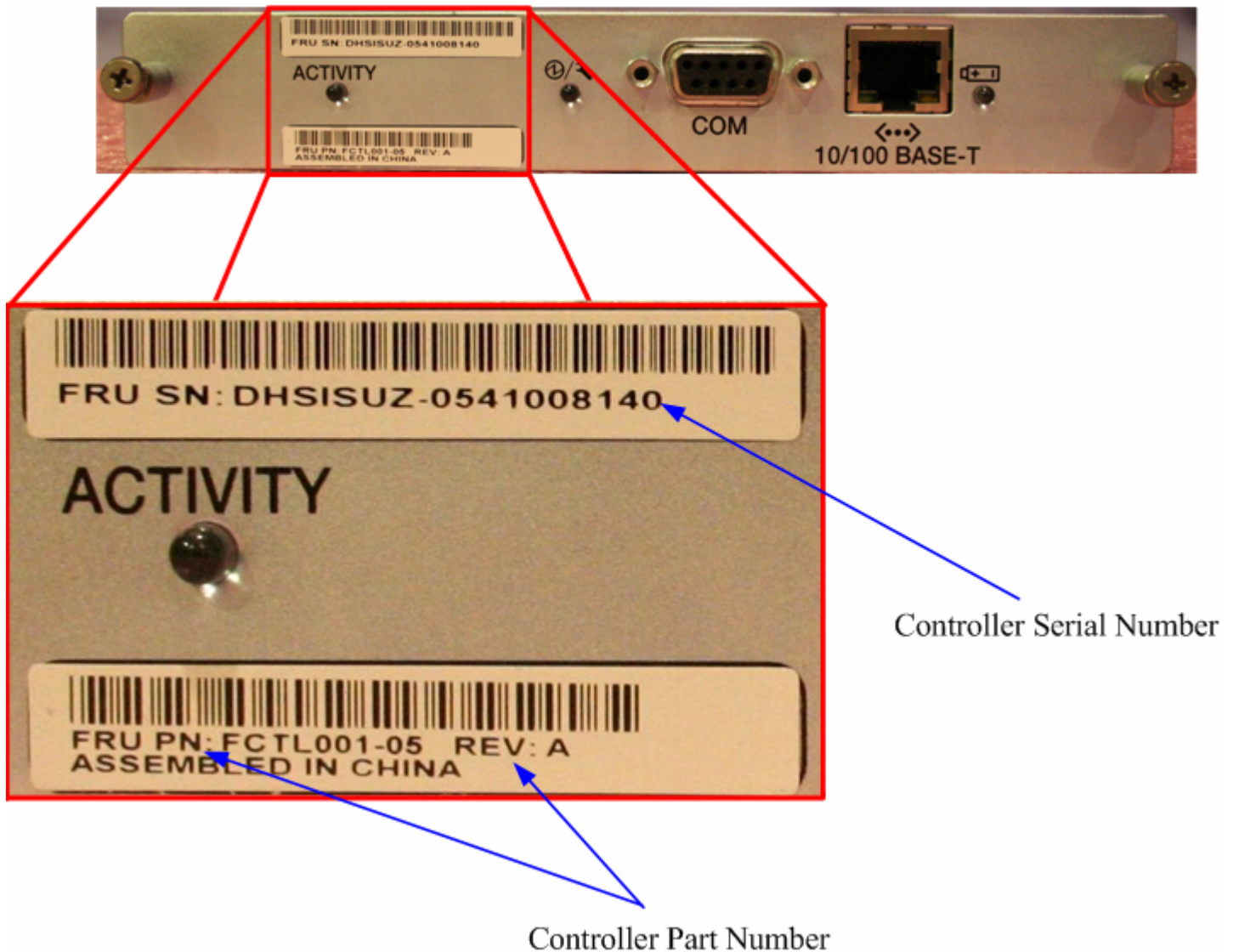
EMU FRU and Serial Number

## *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



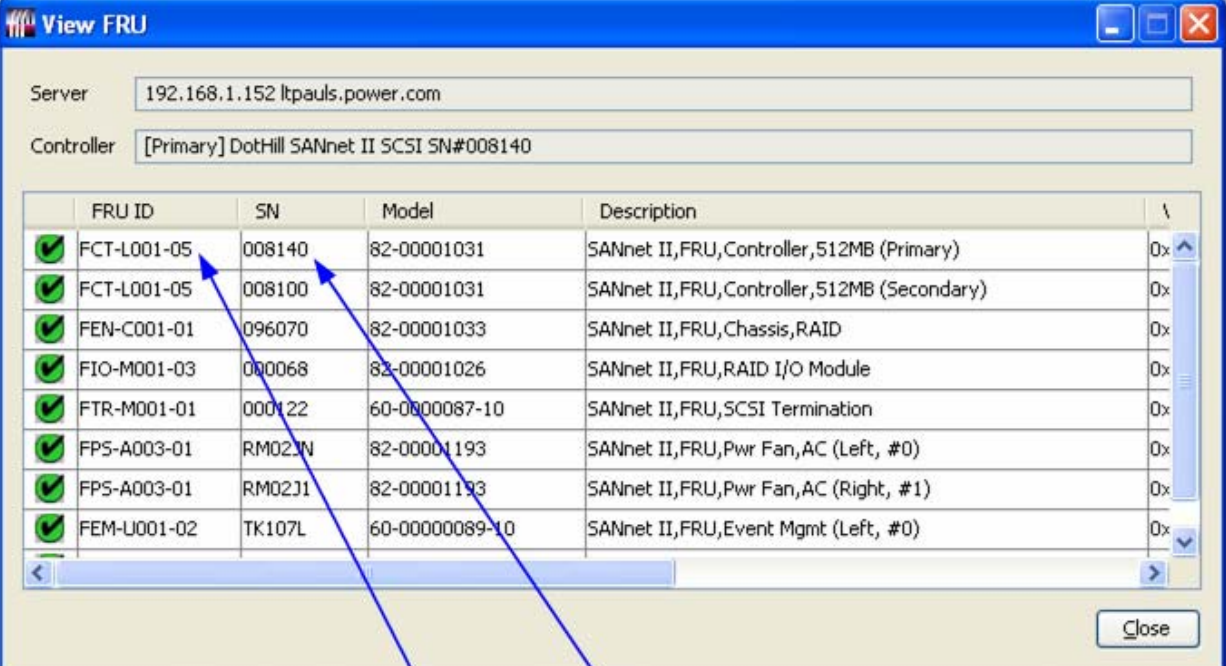
### *Using SCCLI 2.1.1 to locate Controller serial number*

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*



Server: 192.168.1.152 ltpauls.power.com

Controller: [Primary] DotHill SANnet II SCSI SN#008140

	FRU ID	SN	Model	Description	
✓	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	60-0000089-10	SANnet II,FRU,Event Mgmt (Left, #0)	0x v

Close

Controller FRU and Serial Number

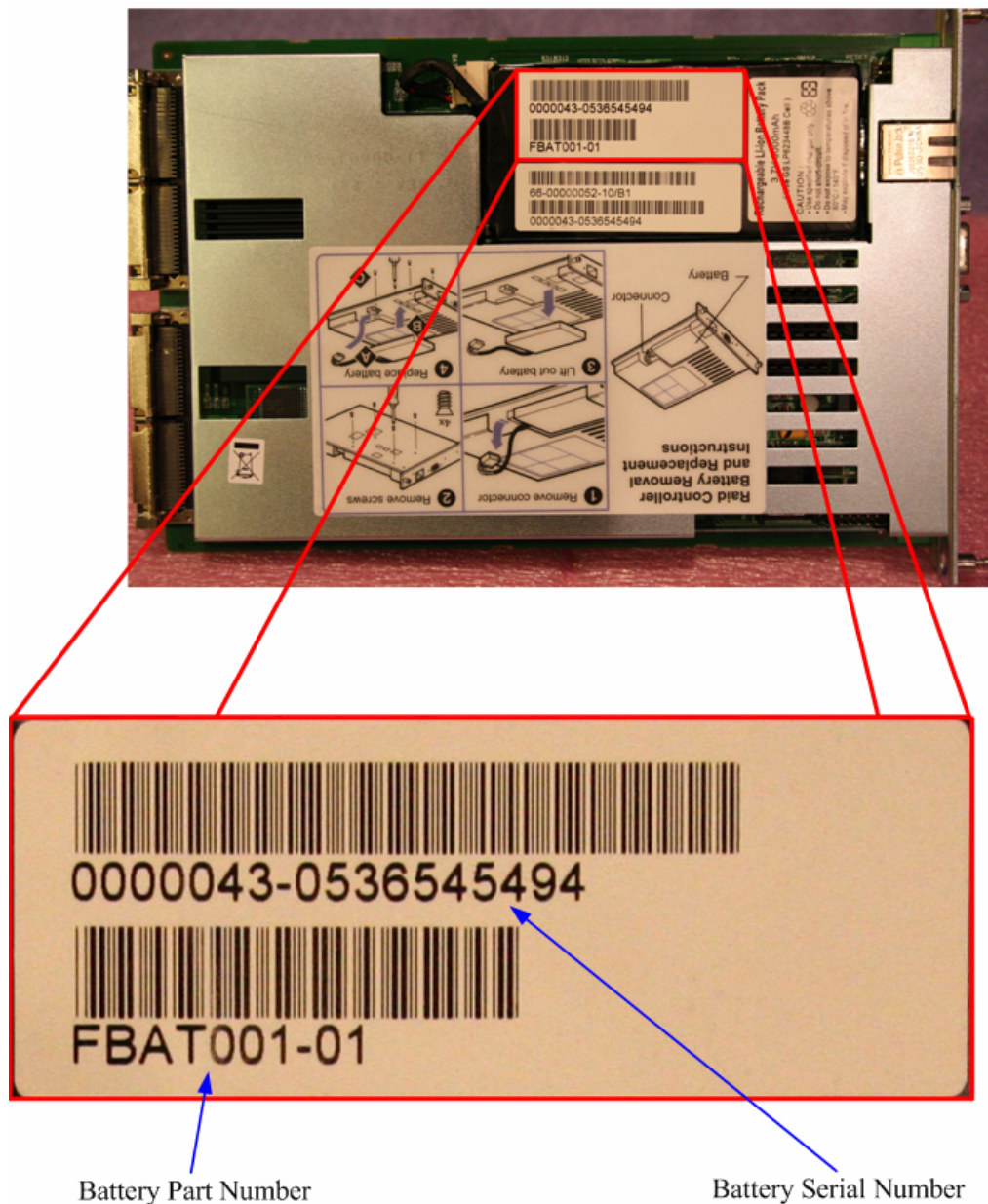


## *Using HyperTerminal or Telnet to locate Controller serial number*

Note: Not available through HyperTerminal or Telnet

## Locating a Battery serial number

### SANnet II 200 SCSI Battery



***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***

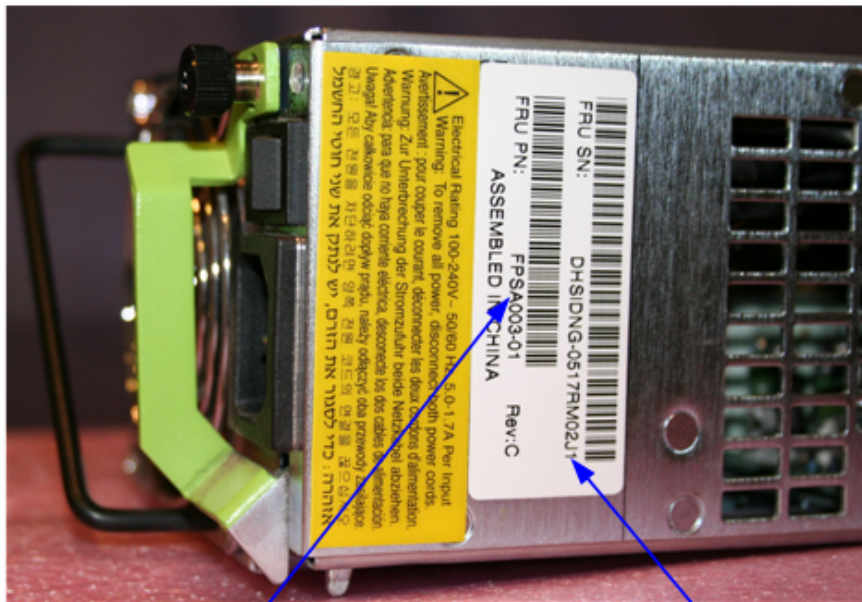
Note: Not available through HyperTerminal or Telnet



## 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

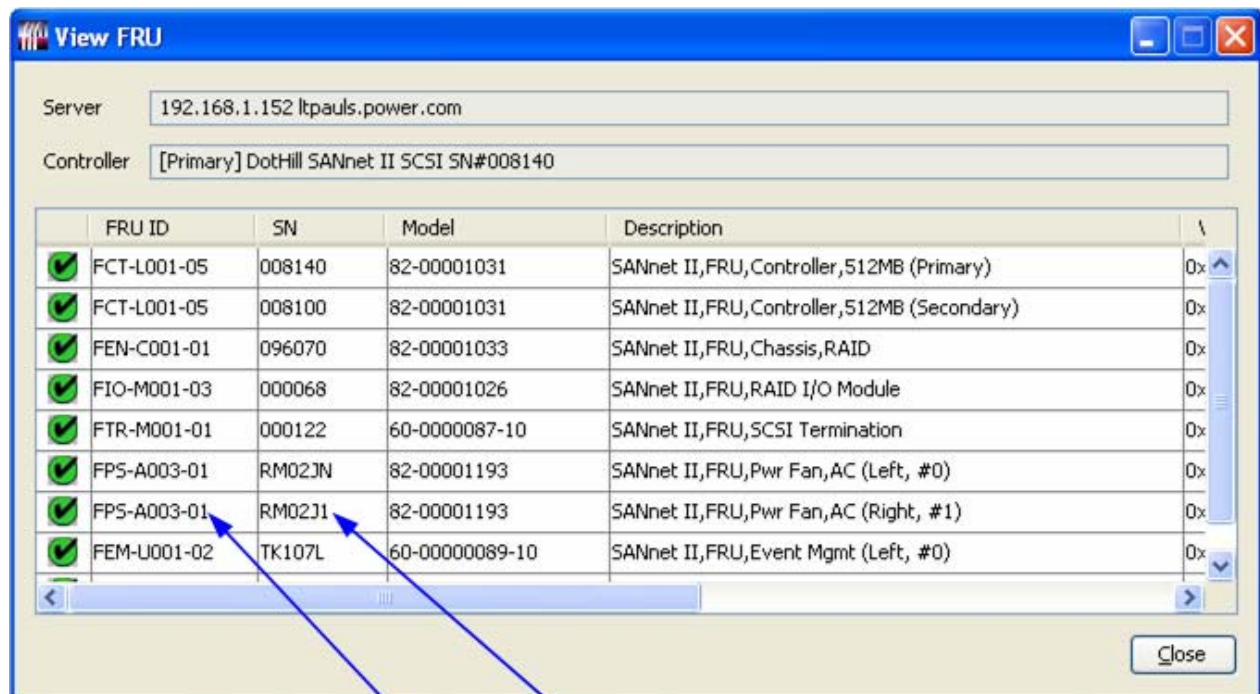
### *Using SCCLI 2.1.1 to locate Power Supply serial number*

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*



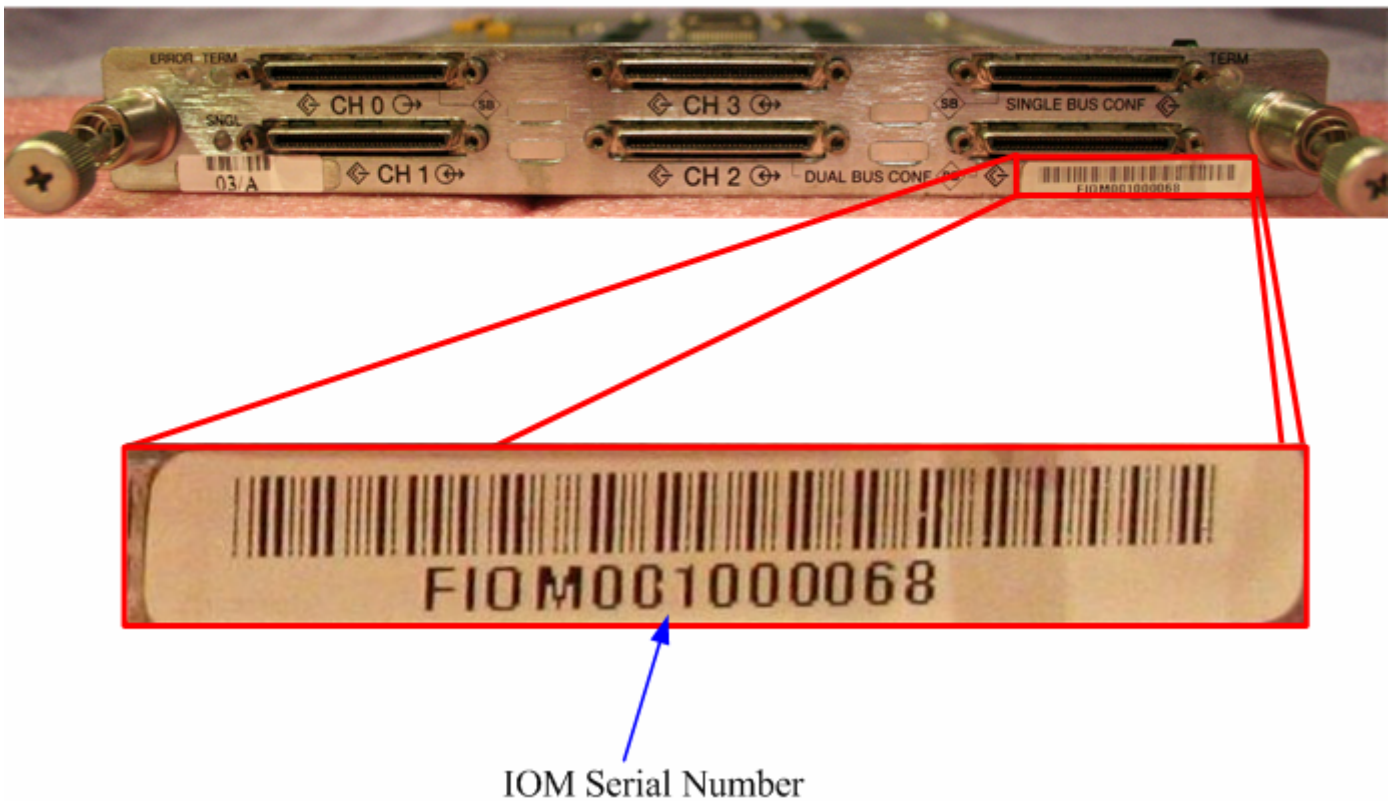
Power Supply FRU and Serial Number

## *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



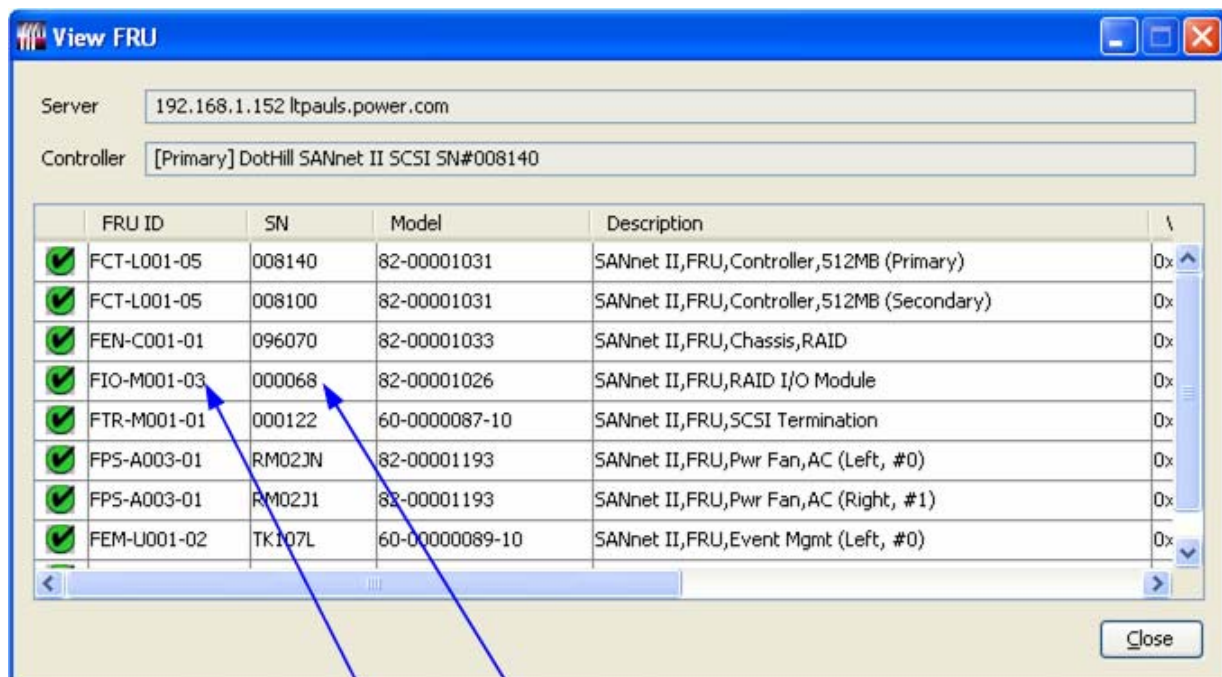
### *Using SCCLI 2.1.1 to locate IOM serial number*

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*



	FRU ID	SN	Model	Description	\
✓	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	60-0000089-10	SANnet II,FRU,Event Mgmt (Left, #0)	0x

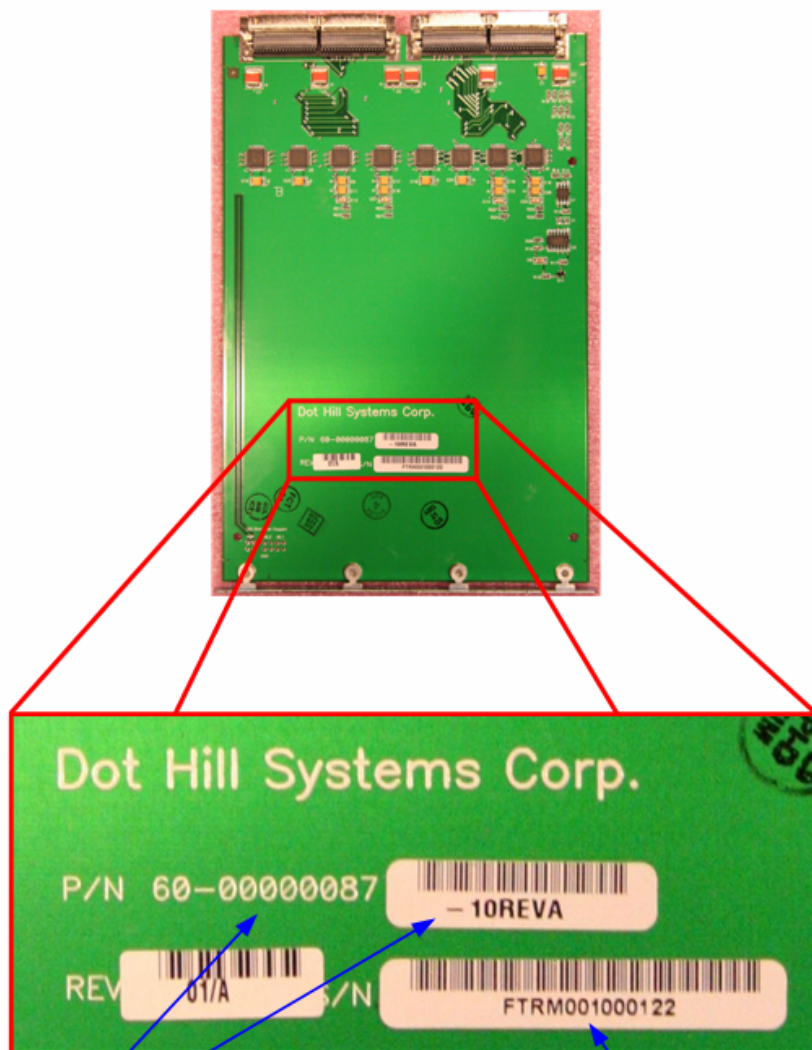
IOM FRU and Serial Number

## *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



Termination Board Part Number

Termination Board Serial Number



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.

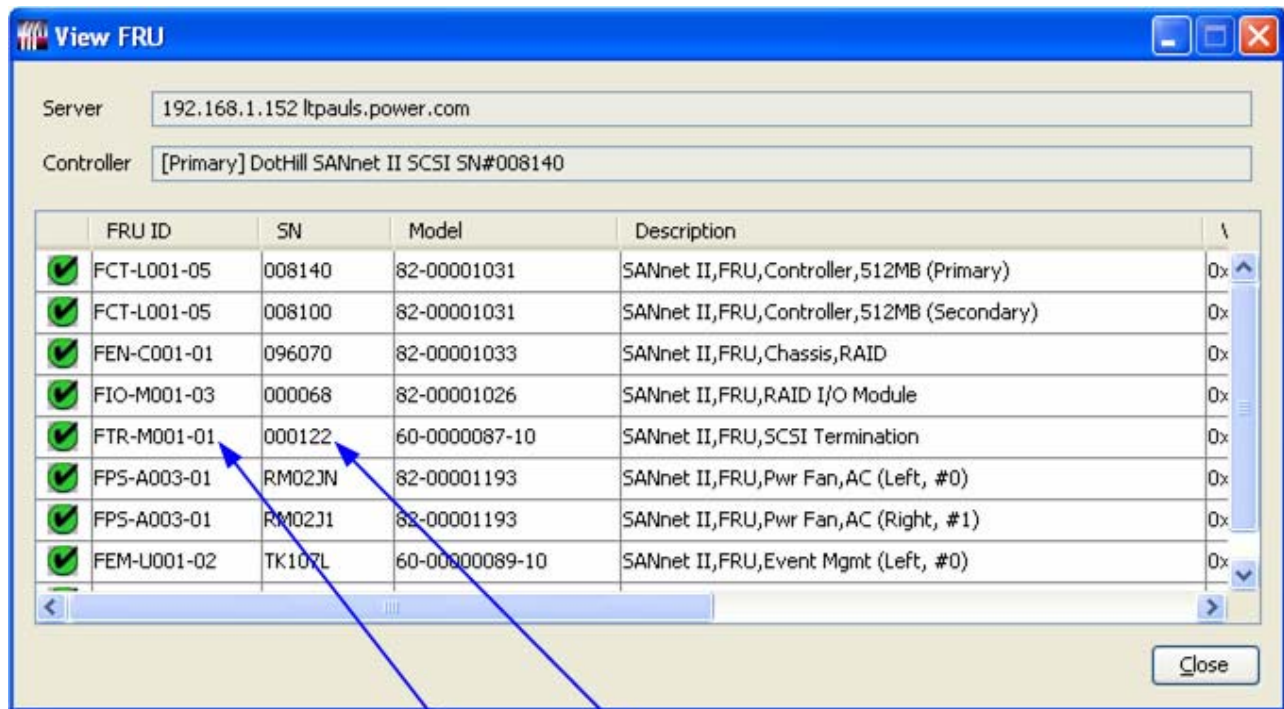
### ***Using SCCLI 2.1.1 to locate SCSI Termination Board serial number***

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*



Server: 192.168.1.152 ltpauls.power.com

Controller: [Primary] DotHill SANnet II SCSI SN#008140

	FRU ID	SN	Model	Description	\
✓	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

Close

Termination Board FRU and Serial Number

### *Using HyperTerminal or Telnet to locate SCSI Termination Board serial number*

Note: Not available through HyperTerminal or Telnet