

LSI SAS9200-8e (6 Gb/s) (Chip: Isi sas2008)

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6 Gb/s SAS HBAs support both firmware types:

- initiator target (IT)
- integrated RAID (IR) In general, internal port HBAs will ship with an IR image and external port HBAs will ship with an IT image. If you wish to flash IR firmware over IT firmware or vice versa, there is a specific process you must follow. 6 Gb/s SAS HBAs do not allow overriding a different firmware type (IT vs. IR), so the flash must be deleted. In order to do so, please follow the steps below: [?http://kb.lsi.com/KnowledgebaseArticle16266.aspx](http://kb.lsi.com/KnowledgebaseArticle16266.aspx)
- ?IT? firmware maximizes the connectivity and performance aspects of the HBA.
- ?IR? firmware offers limited RAID functionality via RAID 0, 1, and 10 capabilities. Legacy PCIe Gen 2 HBAs with internal connectors still ship with ?IR? firmware.

Tarjeta	Release Date	Fw	Bios
SAS9200-8e	30-JUN-12	14.00	07.27
SAS9200-8e	18-MAR-14	14.00	7.37.00.00
SAS2008(B1)		10.00	07.27

```
root@seal:~/LSIUTIL/Installer_P19_for_Solaris/sas2flash_solaris_x86_rel# ./sas2flash -listall
LSI Corporation SAS2 Flash Utility
Version 19.00.00.00 (2014.03.17)
Copyright (c) 2008-2014 LSI Corporation. All rights reserved
```

Adapter Selected is a LSI SAS: SAS2008(B2)

Num	Ctrlr	FW Ver	NVDATA	x86-BIOS	PCI Addr
0	SAS2008(B2)	14.00.00.00	0e.03.00.03	07.27.00.00	00:03:00:00
1	SAS2008(B1)	10.00.02.00	0a.02.00.04	07.27.00.00	00:05:00:00
2	SAS2008(B2)	14.00.00.00	0e.03.00.03	07.27.00.00	00:85:00:00

```
root@seal:~/LSIUTIL/Installer_P19_for_Solaris/sas2flash_solaris_x86_rel# ./sas2flash -c 0 -list
LSI Corporation SAS2 Flash Utility
Version 19.00.00.00 (2014.03.17)
Copyright (c) 2008-2014 LSI Corporation. All rights reserved
```

Adapter Selected is a LSI SAS: SAS2008(B2)

```
Controller Number      : 0
Controller             : SAS2008(B2)
PCI Address            : 00:03:00:00
SAS Address            : 500605b-0-0272-d030
NVDATA Version (Default) : 0e.03.00.03
NVDATA Version (Persistent) : 0e.03.00.03
Firmware Product ID   : 0x2213 (IT)
Firmware Version      : 14.00.00.00
NVDATA Vendor         : LSI
NVDATA Product ID     : SAS9200-8e
BIOS Version          : 07.27.00.00
UEFI BSD Version      : N/A
FCODE Version         : N/A
Board Name            : SAS9200-8e
Board Assembly        : H3-25260-02B
```

```
Board Tracer Number      : SP03718412
```

```
Finished Processing Commands Successfully.
```

```
Exiting SAS2Flash.
```

```
root@seal:~/LSIUTIL/Installer_P19_for_Solaris/sas2flash_solaris_x86_rel# ./sas2flash -c 1 -list
```

```
LSI Corporation SAS2 Flash Utility
```

```
Version 19.00.00.00 (2014.03.17)
```

```
Copyright (c) 2008-2014 LSI Corporation. All rights reserved
```

```
Adapter Selected is a LSI SAS: SAS2008(B1)
```

```
Controller Number      : 1
Controller              : SAS2008(B1)
PCI Address             : 00:05:00:00
SAS Address             : 5003048-0-004c-f220
NVDATA Version (Default) : 0a.02.00.04
NVDATA Version (Persistent) : 0a.02.00.04
Firmware Product ID    : 0x2713 (IR)
Firmware Version       : 10.00.02.00
NVDATA Vendor          : LSI
NVDATA Product ID     : SAS2008-IR
BIOS Version           : 07.27.00.00
UEFI BSD Version       : N/A
FCODE Version          : N/A
Board Name             : SMC2008-IR
Board Assembly         : N/A
Board Tracer Number    : N/A
```

```
Finished Processing Commands Successfully.
```

```
Exiting SAS2Flash.
```

```
root@seal:~/LSIUTIL/Installer_P19_for_Solaris/sas2flash_solaris_x86_rel# ./sas2flash -c 2 -list
```

```
LSI Corporation SAS2 Flash Utility
```

```
Version 19.00.00.00 (2014.03.17)
```

```
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```

```
Adapter Selected is a LSI SAS: SAS2008(B2)
```

```
Controller Number      : 2
Controller              : SAS2008(B2)
PCI Address             : 00:85:00:00
SAS Address             : 500605b-0-0272-ac00
NVDATA Version (Default) : 0e.03.00.03
NVDATA Version (Persistent) : 0e.03.00.03
Firmware Product ID    : 0x2213 (IT)
Firmware Version       : 14.00.00.00
NVDATA Vendor          : LSI
NVDATA Product ID     : SAS9200-8e
BIOS Version           : 07.27.00.00
UEFI BSD Version       : N/A
FCODE Version          : N/A
Board Name             : SAS9200-8e
Board Assembly         : H3-25260-02B
Board Tracer Number    : SP03718975
```

```
Finished Processing Commands Successfully.
```

```
Exiting SAS2Flash.
```

Pasos para actualizar:

```
./sas2flash -c 0 -b mptsas2.rom (./sas2flash -biosall) ./sas2flash -c 0 -f 9200-8e.bin (./sas2flash -fwall) ????.sas2flash -o -resetall
```