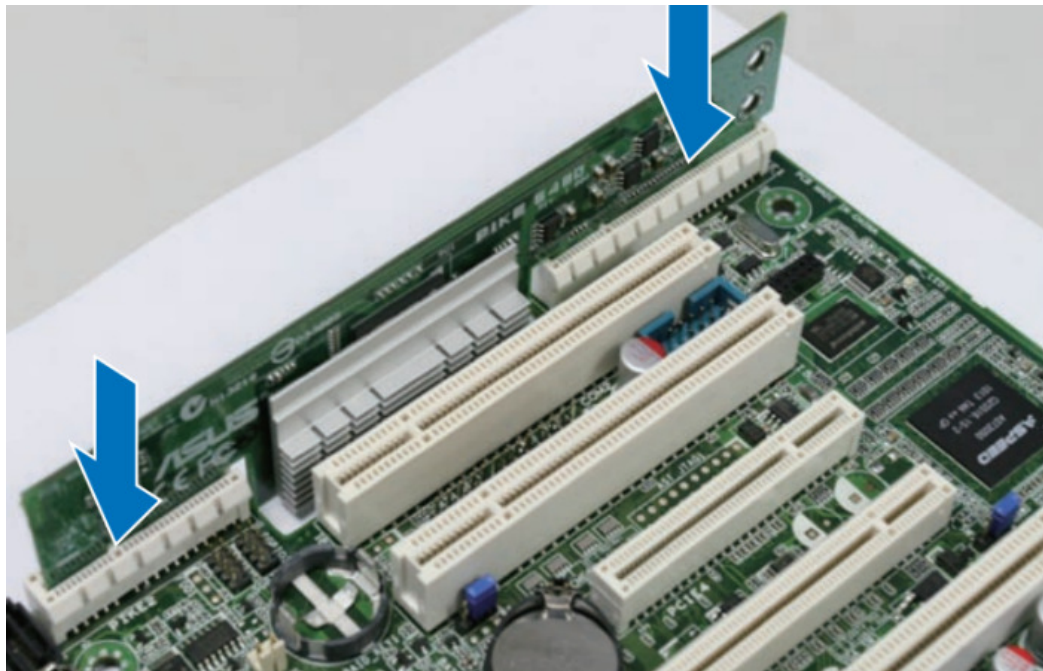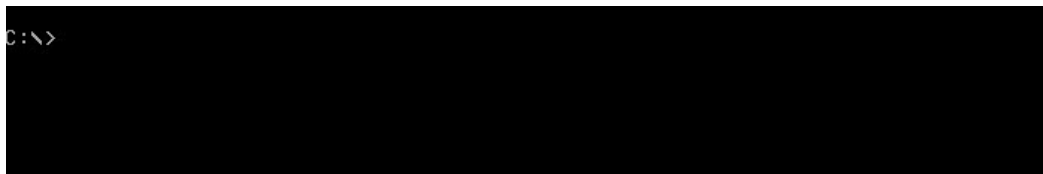# SOP of updating firmware for ASUS PIKE 2008

1. Prepare an ASUS system/motherboard which supports PIKE and a DOS

    bootable USB drive.

2. Ensure that there are **< 2GB** Memory on your system.

3. Insert PIKE 2008 to system/motherboard.

4. Turn on the system and boot to DOS.

5. Change directory to where update files locate. E.g., C:\PIKE

```
C:\>CD PIKE

C:\PIKE>_
```

6. Run FW.BAT by key-in 〝FW〞 and press [Enter].

```
C:\>CD PIKE

C:\PIKE>FW
```

7. Starts update process.

```
Microsoft(R) Windows 98
   (C)Copyright Microsoft Corp 1981-1999.

C:\>cd pike

C:\PIKE>fw

C:\PIKE>sas2flsh -o -e 6
LSI Corporation SAS2 Flash Utility
Version 16.00.00.00 (2013.03.01)
Copyright (c) 2008-2013 LSI Corporation. All rights reserved

        Advanced Mode Set

        Adapter Selected is a LSI SAS: SAS2008(B1)

        Executing Operation: Erase Flash

        Erasing Flash Region...
```

8. The updating progress may take few minutes until you see "Flash BIOS

    Image Successful".

```
LSI Corporation SAS2 Flash Utility
Version 16.00.00.00 (2013.03.01)
Copyright (c) 2008-2013 LSI Corporation. All rights reserved

        Adapter Selected is a LSI SAS: SAS2008(B1)

        Executing Operation: Flash BIOS Image

                Validating BIOS Image...

                BIOS Header Signature is Valid

                BIOS Image has a Valid Checksum.

                BIOS PCI Structure Signature Valid.

                BIOS Image Compatible with the SAS Controller.

                Attempting to Flash BIOS Image...

                Verifying Download...

                Flash BIOS Image Successful.
```

9. Reboot system to check update status during POST or enter LSI Config

    Utility for version checking.

```
LSI Corporation MPT SAS2 BIOS
MPT2BIOS-7.29.00.00 (2012.11.12)
Copyright 2000-2012 LSI Corporation.

Updating Adapter List!

PCI   ENCL LUN VENDOR  PRODUCT          PRODUCT      SIZE \
SLOT  SLOT NUM NAME    IDENTIFIER       REVISION     NVDATA
----  ---- --- ------- ---------------- ------------ --------
 FF            LSI     SAS2008-IR       15.00.00.00  NV 0F:00
```

```
LSI Corp Config Utility    v7.29.00.00 (2012.11.12)
Adapter List   Global Properties
Adapter            PCI  PCI  PCI  PCI  FW Revision    Status    Boot
                   Bus  Dev  Fnc  Slot                          Order
PIKE 2008          01   00   00   FF   15.00.00.00-IR Enabled   0
```