

B1/B3/C3/IDS BIOS Update Procedure

Applications Engineering
Touch Solutions
A division of TE Connectivity
June 08 2011

B1/B3/C3/IDS BIOS Update Procedure – Rev A

******* IMPORTANT *******

This process should ONLY be applied to ESYxxB1/ESYxxB3/ESYxxC3 and IDS systems!

Applying it on ESYxxB2 or ESYxxC2 systems will DESTROY the system!!!

BIOS Update Process:

1. Insert BIOS Flash USB Stick into USB port
2. Connect power cable
3. Connect keyboard to system
4. Power on system; system should automatically boot from USB stick
If system does NOT boot from USB stick, reboot and press F11 when you see the TE flash screen to choose the USB Device as your bootup device.

5. Press Y on keyboard or just wait 30 seconds to flash BIOS to new fan settings release:
IPX41-GS-TYCO-0707

```
=====
ONLY run this program on B1/B3/C1/C3 SYSTEMS!!!
DO NOT RUN THIS PROGRAM ON B2/C2 or any other system!
This program will flash your system BIOS with the new release:
      IPX41-GS-TYCO-0707
which will reduce the fan speed and noise.

Are you sure you want to do this?
[Default is NO - You have 30 seconds to choose.] [Y,N]?_
```

6. Press Y on keyboard again (or wait 10 seconds) to proceed with the BIOS flash (as shown below)

```
ONLY run this program on B1/B3/C1/C3 SYSTEMS!!!  
DO NOT RUN THIS PROGRAM ON B2/C2 or any other system!  
This program will flash your system BIOS with the new release:  
      IPX41-GS-TYCO-0707  
which will reduce the fan speed and noise.
```

```
Are you sure you want to do this?
```

```
[Default is NO - You have 30 seconds to choose.] [Y,N]?Y
```

```
=====
```

```
Flashing BIOS. Once complete, you will need to reboot the system,  
then press "F2" upon bootup to complete the process.
```

```
Are you ABSOLUTELY sure you want to do this?
```

```
[Default is NO - You have 30 seconds to choose.] [Y,N]?_
```

7. Make sure you get confirmation that the flash completed successfully – all steps show “done” (as shown below)

```
=====
```

```
PEGATRON Firmware Update Utility - v1.08
```

```
Reading file ..... done
```

```
Erasing flash ..... done
```

```
Writing flash ..... done
```

```
Verifying flash ..... done
```

```
Erasing BootBlock ..... done
```

```
Writing BootBlock ..... done
```

```
Verifying BootBlock ... done
```

```
CMOS checksum destroyed
```

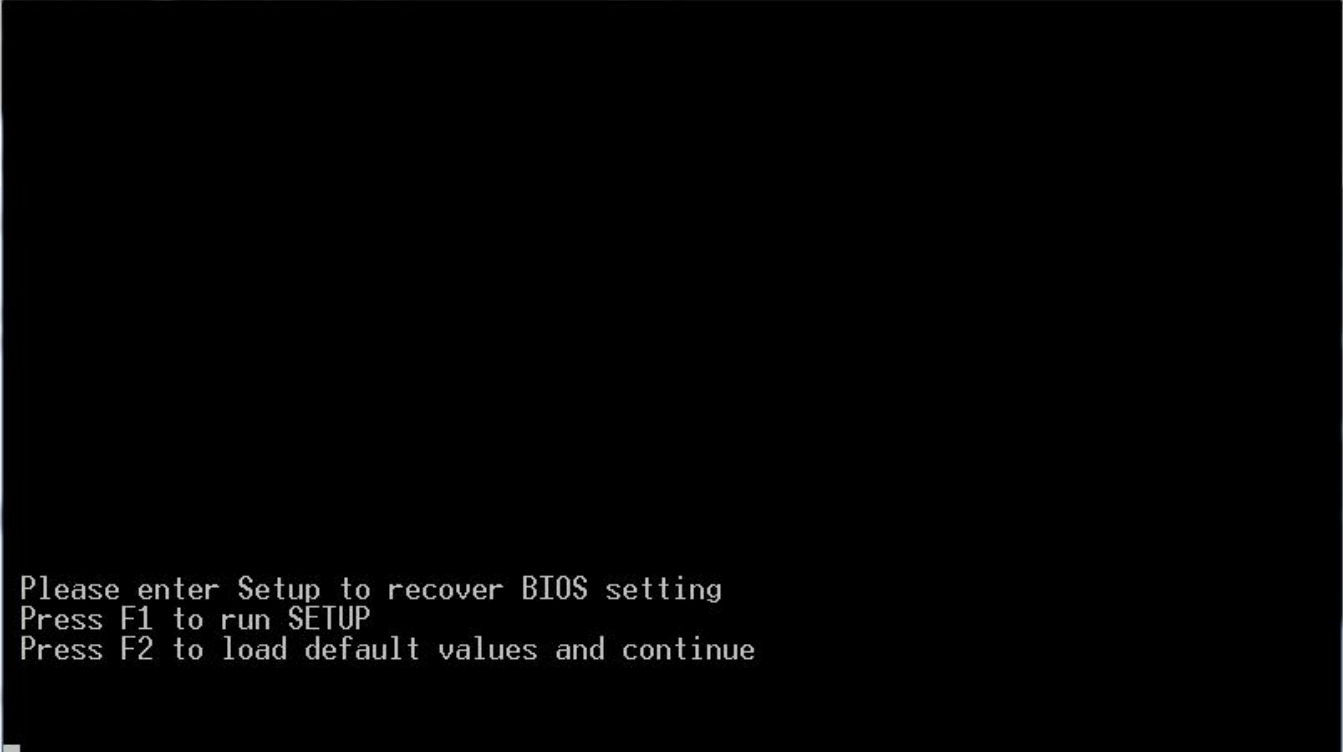
```
=====
```

```
BIOS Flash completed! Please power off your system now and remove the  
USB flash drive, then power your system back on.
```

```
Upon restart, you will need to press F2 to accept the new BIOS changes  
and permanently save them on the system board.
```

```
=====
```

8. Power off the system by holding the power button for 10 seconds
9. Remove the USB Flash Drive from the system
10. Power ON the system by pressing the power button
11. When BIOS screen stops during bootup, at the bottom of the screen you should see the following, then press F2 on the keyboard to complete the BIOS flash:



Please enter Setup to recover BIOS setting
Press F1 to run SETUP
Press F2 to load default values and continue

12. The system will now continue the bootup process, and should bring up the OS as normal