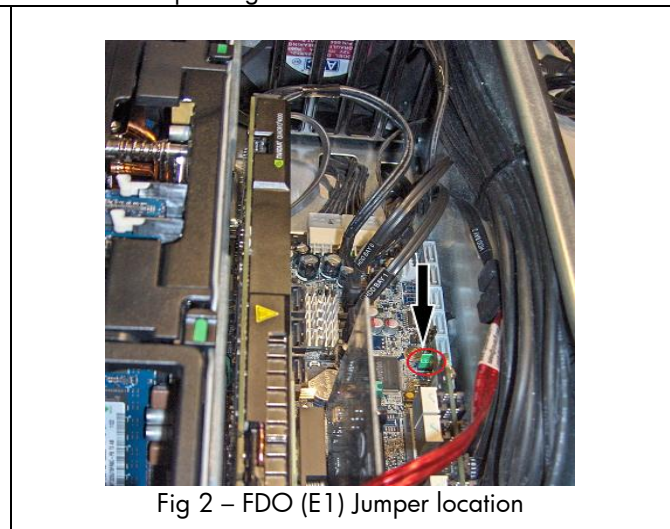
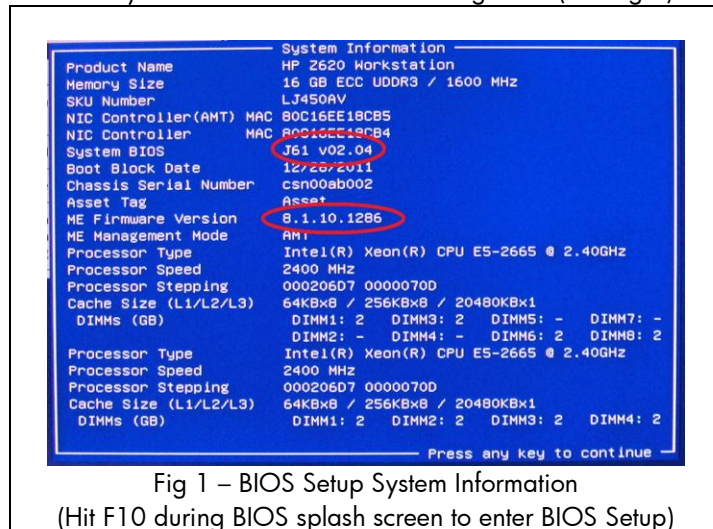


Major update of Management Engine (ME) Firmware on HP Z420 & Z620 Workstations

Introduction: This mini-whitepaper describes the procedure to update Intel Management Engine (ME) Firmware (FW) on HP Z420 and Z620 Workstations. This special procedure is only required for major ME FW updates from Version 7 to Version 8 or vice versa. This procedure can only be performed with System BIOS Version 02.00 or later. Minor ME FW updates (within Version 7 or within Version 8) can be performed through normal ME FW upgrade procedures and with any BIOS Version.

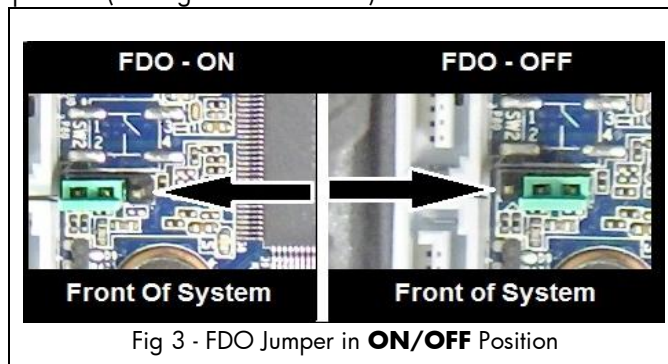
Requirements:

1. Obtain Softpaq that contains MEBLAST.COM utility, ME Firmware binary file and DOS Bootable USB flash drive utility
2. Follow readme.txt instructions in USB Boot folder to create DOS Bootable USB flash drive
3. Copy MEBLAST.COM and ME Firmware Binary file onto DOS Bootable USB flash drive
4. Current System BIOS must be v02.00 or greater (see Fig 1). HP recommends updating to latest available BIOS Version



Update Steps:

1. Power system Off
2. Locate Flash Descriptor Override (FDO/E1) Jumper (see Fig 2). PCI air duct cover may need to be removed to access jumper. Move FDO Jumper to ON position (see Fig 3 “FDO – ON”)



3. Insert DOS Bootable USB flash drive and Power system On to boot to USB flash drive
4. From DOS command prompt, execute the MEBLAST.COM utility as followed to update ME firmware:
 “MEBLAST.COM J61_ME8a.bin” to update to ME 8 or “MEBLAST.COM J61_ME7a.bin” to update to ME 7
5. On successful completion of MEBLAST.COM: Power system Off, remove DOS Bootable USB flash drive and set FDO jumper to the OFF position (See Fig 3 “FDO-OFF”)
6. Power system On. It is normal for the system to reboot several times during the initial power-on process
7. Verify that the ME Firmware has been updated to the correct Version (see Fig 1)

