VB-601 FAQs - Technical Support

Q17: **Is VB-601/VB-601-V/VB-601-Z supported coppermine cpu?**

A: All FIC BX board will not support Coppermine no matter it is slot1 or socket 370 with convertor, these include VB-601, VB-601-V, VB-601-Z, KB-6130, KB-6130-V, KB-6130-Z.. Please be aware that die process and pinouts layouts different result this.

Q16: **The User's Manual doesn't give dip switch settings for higher multiplier values. What are they?**

A:

Multiplier	*FREQ1*	*FREQ2*	*FREQ3*	*FREQ4*
5.5	ON	OFF	OFF	OFF
6.0	OFF	ON	ON	ON
6.5	OFF	ON	ON	OFF
7	OFF	OFF	ON	ON
7.5	OFF	OFF	ON	OFF

Q15: **My BIOS won't detect my 45GB harddrive (IBM Deskstar ATA100 75GXP). I understand that I can't run it in ATA66 or ATA100 mode, but I would like it to work in ATA33 mode. The BIOS update that fixes this problem requires the PCB version to be 1.4 but I have version 1.3. Can you please advise me how to proceed ?**

A: FIC has updated the BIOS versions released for VB-601 to include support HDs of up to and beyond 65GB. They are MI4118, ME4118, 115MC135 and flash789.exe . Please stay with your original serial version to upgrade the BIOS. Under DOS, issue the Award flash command as
"flashXXX MI4118.awd /cc /cd /cp".

Q14: **I'm a user of your KBI-6130 (Intel 440BX Slot 1) motherboard, with ATi-Rage128VR (8 MB) Yamaha-740C-V soundcard. The PCB version is 3.1 BIOS version is MR411.**
Question 1: My Celeron2 566 MHz (Socket 370) shows as PIII-556 and I don't know what the CPU core voltage is. How can I get the new BIOS to recognise my correct CPU type?
Question 2: I use a Slot 1-to-Socket 370 converter card to install my CPU. My card type is the Abit-Slotket III (AB-FC370). To support the Coppermine CPUs my card can support the voltage from 1.30V to 2.40V (every 0.05V). Can I use the card to adjust my CPU voltage?

A: This is the case on many of FIC's earlier Slot 1 products, as listed below:
KB-6120, KB-6130, KBI-6130, KL-6011, KLI-6130, KN-6010, KN-6000, VB-601,VB-601-Z VL-601, VL-603, KA-6100, KA-6130, KB-6130-V, KBI-6130-V, VB-601-V.
Users must refer to our CPU table for each model's CPU support range.
http://www.fic.com.tw/support/motherboard/cputable.aspx
2)The KBI-6130 is not suitable for any Intel Coppermine die process CPUs, either PIII or Celeron. It may work with up to the PII-500 (Katmai) and Celeron 533 (PPGA with convertor). Neither is the hardware compliant to Coppermine's VRM8.4 core voltage requirement, nor any of its released BIOS capable to recognize any Coppermine CPUs ID.
3)The Celeron2-566 (Socket 370) official vcore is 1.5V, even if your convertor card is capable of supporting 1.5V. FIC has no intention of announcing that our earlier Slot 1 products may work with third party Socket 370 convertor cards, since this is a risky position without rigid test reports.
4)The few exceptions of FIC Slot 1 models are KA11, KA31, KA-6110, KC19+. Only with the FIC designed "CK71" 370 convertor card can they may work with Coppermine CPUs, please read each model's FAQ page for detailed reference.

Q13: **I have an unusual problem with the VB-601 using a Celeron 2- 600mhz processor. I have upgraded the motherboard with the latest BIOS from your web-site, the mi415. Everything seemed to be ok, but when I tried to play games like Unreal, Diablo, or standard games like Freecel the system reset and rebooted itself. I normally use the board with an old Celeron operating at 2Volts or a Pentium III (Coppermine) and have never experienced this problem before.**

A: The VB-601 PCB 1.4 will support up to Pentium III 600 MHz and up to Celeron 533 MHz (PPGA with convertor). The VB-601 PCB 1.3 can support only up to Pentium II 400 MHz & Cerelon 533 MHz (PPGA with convertor). It does not support the Celeron 533Mhz FC-PGA.

Q12: **I've read from the IBM web site http://www.storage.ibm.com/techsup/hddtech/bios338gb.htm that there is a limitation to the AWARD BIOS of only 33.8GB. Can you confirm if there is such problem? If there is, is there any solution for me to do instead of loosing the 2.2GB from my HDD?**

A: For new product FIC developed their bios with new Award code which correct error in mis-caculation HD size already. For product FIC made base on each model's market popularity we list bios released for this issue. To user who own models not listed but lack this feature support, time to consider system upgrade.

VA-503+	JE4324,JK4324
PA-2013	JI4324,JF4324
VA-503A	JN4114, JO4114
VB-601	MI4114 (for PCB 1.4 only)
VB-601-V	QF4125

please fill the technical support request form to ask the beta BIOS for support your HD

Q11: I was confused to download BIOS

A: Most people get confused and committed error here to flash wrong bios in to wrong I/O chip. You must stick with original English Letter serial to upgrade bios.
"MC***" serial is 1M size only, no ACPI support, power failure for Winbond I/O W83977TF. PCB 1.1
"ME***" serial is 2M size, with ACPI support but no power failure with Winbond I/O W83977TF. PCB 1.3
"MI***" serial is 2M with ACPI and power failure with Winbond I/O W83977EF. PCB 1.4
If you flash in wrong bios, Screen is able to up still, try "boot block method" to flash back with bios or reach a local EPROM WRITER for help with bios from our FTP

Q10: System will auto reboot after power shut down with V.90 PCI voice modem with Motorola chipset.

A: It may also happen to PCI modem with new PCI 2.2 spec. & FIC Award bios, we has update bios to prevent it. VB-601 MI413, VB-601-Z MT4109.

Q9: What's the difference among the recent BIOS updates MI410, MI411, MI412?

A: MI410 adds support for Penium III CPUID 67X, MI411 for PIII string, and MI412 supports PSN (Processor Serial Number) which, by the way, can be disabled. **Note, however, that despite the fact that the BIOS updates can be used on PCB 1.3 and PCB 1.4, FIC guarantees Pentium III support for only VB-601 PCB 1.4.**

Q8: I have updated bios from version 1.15ME11 to 1.15MI12 and system now freezes after detection of IDE drives. Is there a way to use BOOT BLOCK feature to boot from floppy in this situation?

A: As long as one can see some activity on the screen, "Boot Block Method" is available. Do not flash with the MI BIOS series if your original BIOS is ME or MC. MI is for advanced Winbond 977EF I/O Chip (Winbond 83977**EF**) which supports "automatic power failure recovery" option. The ME BIOS series is for Winbond 839977TF I/O chip.

Q7: Adaptec SCSI 1640W AHA-2940UW (BIOS v1.25) cannot be installed on Windows NT 4.0. What should I do?

A: Disable Virus Protection in BIOS Features (BIOS Setup).

Q6: When were the new features added (Suspend-to-Disk, Auto Overclock Failure Recover, Auto Power Failure Recovery, Keyboard and Mouse Power On)?

A: On PCB 1.3 of the motherboard. Some functions were added to PCB 1.1 with BIOS update. For more information, check the BIOS Update Page for this model.

Q5: Suspend Mode does not work under Windows95. Why?

A: This was a BIOS issue: BIOS 1.14mc10 remedies this problem.

Q4: System Crashes playing 3D Shooter Games like Unreal Tournament. possibly power problem because ERAZOR X app. need 6A Current. Other Boards has special Jumper (like Voodoo3 enabled) Do You know about this problem with this board?

A: The motherboard was designed as AGP 1.0 spec. (2A 3.3V) only. We do not recommend user with AGP 2.0 devices. (Most 32MB on board AGP belong to latter)

Q3: During installation of Win98 with ATA/66(UDMA4) HD or data transfer system crush.

A: Please be aware that your board support ATA/33(UDMA2) only, but your bios may read HD as high as ATA/66 which will cause system hang, FIC has release bios to limit bios to read HD up to ATA/66(UDMA2) only to prevent this issue. VB-601 PCB 1.4 MI413

Q2: I have an Intel Create & Share USB 2.0 video camera which is plug and play. When I connect the camera, Windows detects it as an "Unknown Device" and cannot install the drivers properly.

A: Currently all FIC products with a VIA or Intel chipset, support the USB 1.0 spec only, due to chipset limitations. If a user with USB 2.0 compliant devices , which Windows detects as "Unknown Device", cannot install the drivers properly, it means it cannot support them. Vendors may claim their devices are downgrade cover USB 1.0- in most cases for Intel chipsets only. Please check with them if the VIA chipset been covered (Firmware in a web camera must modified for VIA chipsets).

Q1: Is this motherboard compatible with Integraph I3D Voodoo Rush?

A: Yes, as tested by Integraph labs.