

- OPTIONAL
- RECOMMENDED
- MANDATORY

MMR/MMP BIOS Settings for Wide SCSI Card

DATE: 3/26/99

MODEL: MMR-8 and MMP-16

AFFECTED MOTHERBOARDS: ASUS TX-97, ASUS VX-97 and TYAN S1571

REQUIRED HARDWARE: PCI Video Card, AT Keyboard, Video Monitor

DESCRIPTION:

This service bulletin is mandatory if a Symbios Ultra Wide SCSI card with BIOS version 4.05 or higher is installed in an MMR-8 or MMP-16 unit using any of the above-specified motherboards. This bulletin details Motherboard BIOS settings affecting RAM allocation which must be changed in order for the units to function properly.

PROCEDURE:

Hardware setup

- 1) Remove cover from the MMR/MMP.
- 2) Remove the blank ISA plate, and install the PCI video card in the slot labeled "Spare".
- 3) On the rear panel at center-bottom, remove the two phillips head screws that secure the chassis keyboard plate. Be sure to remove the plate from inside the unit.
- 4) Attach the keyboard through the exposed cutout to the motherboard keyboard port.
- 5) Attach the video monitor to the video card monitor port.

BIOS setup

The required changes to the BIOS are organized into two parts. Part 1 applies to all of the motherboards listed, and Part 2 applies to specific motherboard models.

Part 1: Disable the SCSI card's on-board BIOS

- 1) Apply power to unit.
- 2) When prompted by the Symbios Configuration Utility, press <ctrl> + <c>.
- 3) Select `Change adapter status` and press <Enter>.
- 4) Select `Next Boot` and press <Enter> to toggle its state from `On` to `Off`.

- 5) Save and exit the Symbios Configuration Utility.
- 6) Remove Power from Unit.

Part 2: Setup Reserved RAM Space - ASUS TX-97 AND VX-97 MOTHERBOARDS ONLY

- 1) Apply power to unit. Press when prompted to enter the CMOS Setup utility.
- 2) Select PNP AND PCI SETUP and press <Enter>.
- 3) Use the arrow keys to highlight SYMBIOS SCSI BIOS. Press the <page up>/<page down> keys to select Disabled.
- 4) Use the arrow keys to highlight ISA MEM BLOCK BASE. Press the <page up>/<page down> keys to select D000.
- 5) Use the arrow keys to highlight ISA MEM BLOCK SIZE. Press the <page up>/<page down> keys to select 64K.
- 6) Press <Esc> to exit PNP AND PCI SETUP. Press <F10> and then <Y> to save and exit the CMOS Setup utility.

Part 2: Setup reserved RAM Space - TYAN S1751 MOTHERBOARDS ONLY

- 1) Apply power to unit. Press when prompted to enter the CMOS Setup utility.
- 2) Select PNP AND PCI SETUP and press <Enter>.
- 3) Use arrow keys to highlight USED MEM BASE ADDR. Press the <page up>/<page down> keys to select D000.
- 4) Use the arrow keys to highlight USED MEM LENGTH. Press the <page up>/<page down> keys to select 64K.
- 5) Press <Esc> to exit PNP AND PCI SETUP. Press <F10> and then <Y> to save and exit CMOS Setup utility.

Re-assembly

- 1) Remove the PCI video card and re-attach the ISA blank plate to the chassis.
- 1) Remove the keyboard cable and re-attach the keyboard cover plate.
- 2) Check all cables for complete seating into connectors, then re-attach chassis cover.
- 3) Apply power to system and verify correct operation.

END OF PROCEDURE