



Subject: TeamPoS 2000 M Motherboard BIOS

Overview

A new BIOS is being released for the TeamPoS 2000 M motherboard. The reason for the change is because the flash ROM chip that contains the BIOS is no longer available and a new Flash ROM chip requires a BIOS change to function. However this new BIOS is not compatible with some customer applications so therefore is not acceptable.

These modified boards were manufactured as part of the last time buy of the TP2K M motherboards, and to be compatible must be modified to the previous version of BIOS chip.

This affects the TeamPoS 2000 M Motherboard, part number 90000759 (USA0213244).

Plan Outline

FTXS Engineering/Purchasing have located a sufficient quantity of BIOS chips to rework all known updated boards.

- All boards not yet shipped from the manufacturer have been captured and will be reworked before shipping.
- All boards already in North America (FHR and Port Stock) will be reworked locally.
- All boards already shipped to the field will be updated as returned for repair
 - Approx 2052 board have been shipped to the field, with v046 BIOS installed.
 - Engineering/Purchasing are obtaining and preprogramming Chips to be supplied to the Repair Center

Field

While most customer applications are independent of the version of BIOS, others require a specific version. If a motherboard is being replaced in a terminal and the customer requires a specific level of BIOS to be loaded, if the replacement board is labeled revision 0021AN, **DO NOT ATTEMPT TO LOAD A DIFFERENT VERIONS OF BIOS.** Motherboards that have the new chip will be non-functional and are **UNRECOVERABLE** if a different version is loaded. Return the motherboard for repair, indicating the wrong versions of BIOS chip is installed.

Repair Center

All Motherboards (90000759, USA0213244) with Revision **0021AN** the following steps must be taken regardless of the reason the board is returned or any other repairs needed, unless the board is deemed unrepairable and is being scrapped.

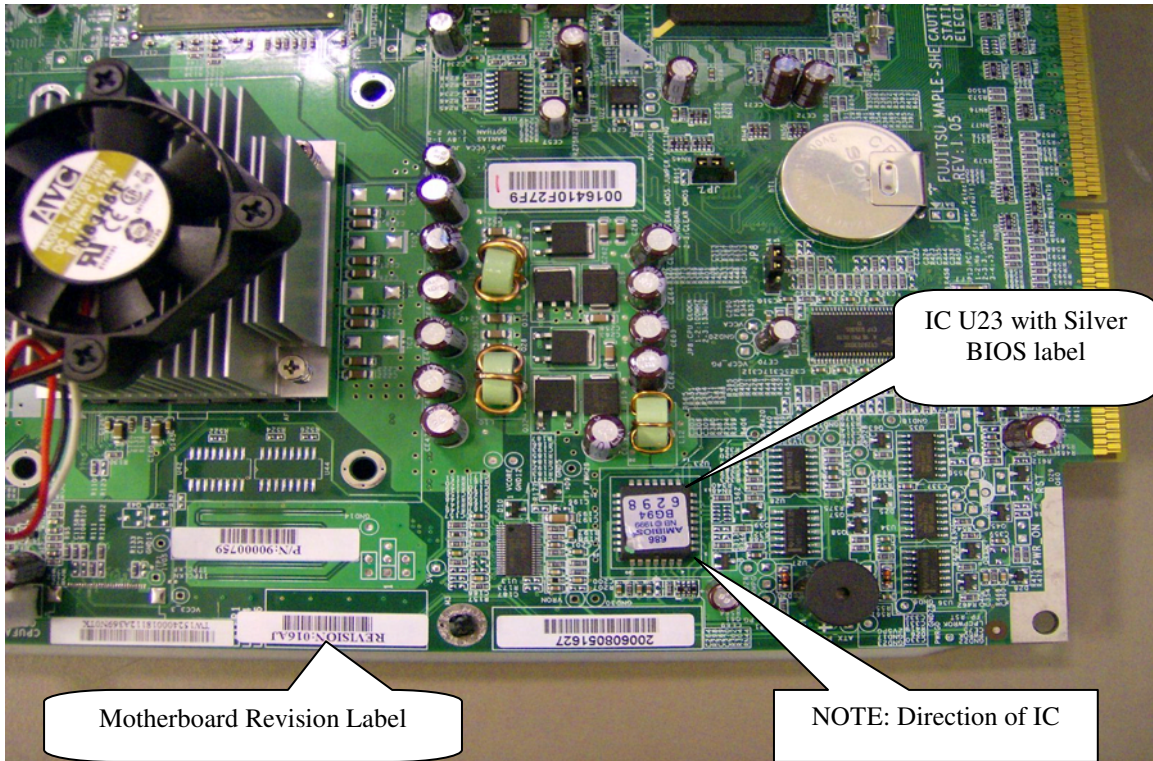
1. Remove the Silver BIOS label from IC U23 and save for future use
2. Check the part number on the BIOS chip:
If the chip is labeled SST 49LF004B, then do the following:
 4. Re-apply the Silver BIOS labels removed above
 5. Change the Motherboard Revision Label to be revision 0020AN
 6. Verify BIOS v44 is installed, reload if not
 7. Continue any other repairs or normal process, this board is now completed.

If the chip is labeled PM 49FL004T-33JCE, then do the following:

4. Remove (De-solder) the IC U23 from the board
5. Solder the new IC loaded with BIOS v044 onto the board, be sure to note IC orientation
6. Re-apply the Silver BIOS labels removed above
7. Change the Motherboard Revision Label to be revision 0020AN.

<u>INQUIRIES TO:</u>		DATE
Fujitsu Transaction Solutions Inc.		
Exchange:	Sustaining Engineering	_____
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Original signature copies maintained by Sustaining Engineering.		

Motherboard Illustration



Reference Information

For reference only, below are the major changes in Motherboard and BIOS revisions:

There are three different versions of the TeamPoS 2000 “M” motherboard (90000759, USA0213244). Each version has its own BIOS, and in some cases are not interchangeable.

The motherboard version can be determined by the revision level on the motherboard (found close to the edge of the board near the CPU chip).

- Motherboards that are revision 0016AJ require BIOS v038.
- Motherboards that are revision 0018AN through 0020AN require BIOS v044 though v046. These have the new video chip (see PSB-07-011A) and also require video driver v4.0 or above.
- Motherboards that are revision 0021AN or above require BIOS v046. These also require video driver v4.0 or above.

BIOS Compatibility

BIOS Version	Motherboard Revision		
	Up to 0016AJ	0018AN – 0020AN	0021AN
1ambc038	OK	NO	NO
1ambd044	NO	OK	NO
1ambc046	NO	OK	OK

Video Driver Compatibility

Driver Version	Motherboard Revision					
	Up to 0016AJ		0018AN – 0020AN		0021AN	
	Digital	VGA	Digital	VGA	Digital	VGA
3.4	OK	OK	NO	OK	NO	OK
4.0	OK	OK	OK	OK	OK	OK
4.0	OK	OK	OK	OK	OK	OK

If for some reason a version of BIOS previous to v046 is programmed into the Motherboard, That board is NOT LONGER FUNCTIONAL and can only be recovered by replacing the chip.