

BIOS Release Note for GX1LCD BIOS version 1.9

Release date: May 3rd 2005
Part number: 40234018

Revision history

Revision	Editor	Description	Date
1.0.0	MLA	Original issue	03/05/05

Affected products

Name	
GX1LCD/S Boards	
GX1LCD/3.5" Boards	

Authorizations

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1. Purpose

This document is the release specification for the BIOS version 1.9 for the GX1LCD/S and GX1LCD/3.5" Boards. The specification describes the changes from the previously released BIOS version 1.8. The release note for the version 1.8 is included as last chapter in this document.

2. BIOS Setup

2.1 Main Setup

No Changes.

2.2 Inside Utilities Setup

No Changes.

2.3 Advanced Setup

Advanced Chipset control settings changed:

OHCI registers setting (USB) default changed to D8000h.

2.4 Security Setup

No Changes.

2.5 Power Setup

No Changes.

2.6 Boot Setup

No Changes.

3 BIOS Functionality

3.1 Functionality

Issue	Changed	Description
OHCI register setting (USB)	Yes	Default changed to D8000h
Legacy USB - keyboard stops working after summary screen is shown	Yes	Problem solved

3.2 Known Problems

Issue	Changed	Description
UDMA support Win2K/NT	No	UDMA-33 Harddisk mode requires O/S driver to be supported. Currently only Windows 98 is supported.



4 VGA BIOS Support

4.1 Display Support

No change.

4.2 Supported LCD Displays

No change.

5 BIOS Resources

5.1 Memory Map

No Change.

5.2 Interrupt Usage

No Change.

Appendix – previous BIOS versions

Release 1.8 – PN 40234017

Purpose

This document is the release specification for the BIOS version 1.8 for the GX1LCD/S and GX1LCD/3.5" Boards. The specification describes the changes from the previously released BIOS version 1.7.

BIOS Setup

Main Setup

Available Network controller boot protocols changed from RPL and PXE to only PXE due to BIOS flash size restrictions.

Inside Utilities Setup

No Changes.

Advanced Setup

Advanced Chipset control settings changed:

USB Host controller default setting changed to Disabled.

USB Legacy support setting added. Default setting is Disabled.

OHCI registers setting (USB) added. Default setting is C8000h.

PCI Configuration settings changed:

Option added for disabling PCI slot 1-4 clocks.

Security Setup

No Changes.

Power Setup

No Changes.

Boot Setup

No Changes.

BIOS Functionality

Issue	Changed	Description
USB Legacy support	Yes	Support added
USB boot	Yes	Support added for boot from USB stick and floppy devices
USB Extension	Yes	USB BIOS extension can be placed from C8000h-DC000h
Sandisk CF boot	Yes	Issue with boot on Sandisk CF device solved
BIOS flash	Yes	Support for W29C020CT BIOS flash added
RPL network boot extension	Yes	RPL network boot extension removed from BIOS. PXE is still available
Vendor codes added	Yes	Customer specific implementations added; Invoked by Vendor codes.

Known Problems

Issue	Changed	Description
UDMA support Win2K, WinNT	No	UDMA-33 Harddisk mode requires O/S driver to be supported. Currently only Windows 98 is supported.

VGA BIOS Support

Display Support

Refer to the document D00399-G for supported DSTN and TFT panels.

Supported LCD Displays

Item	Changed	Requirements/description
Display support Display block ver.2.04	No	Please refer to Document no. D00399-G: "List of Displays for GX1LCD".

BIOS Resources

Memory Map

USB extension can be mapped to C8000h-DC000h area.

Interrupt Usage

No Changes.