

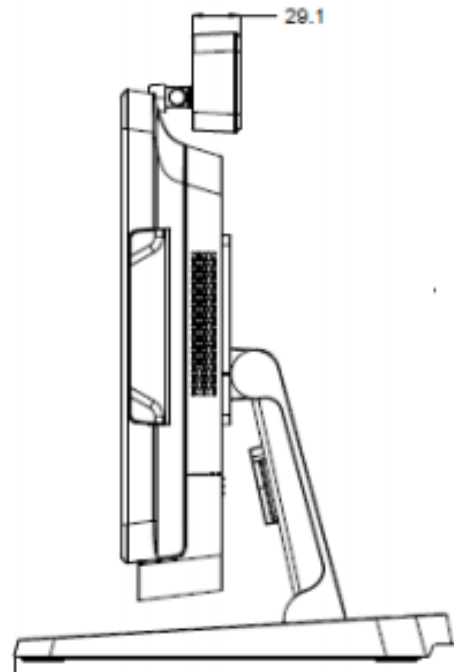
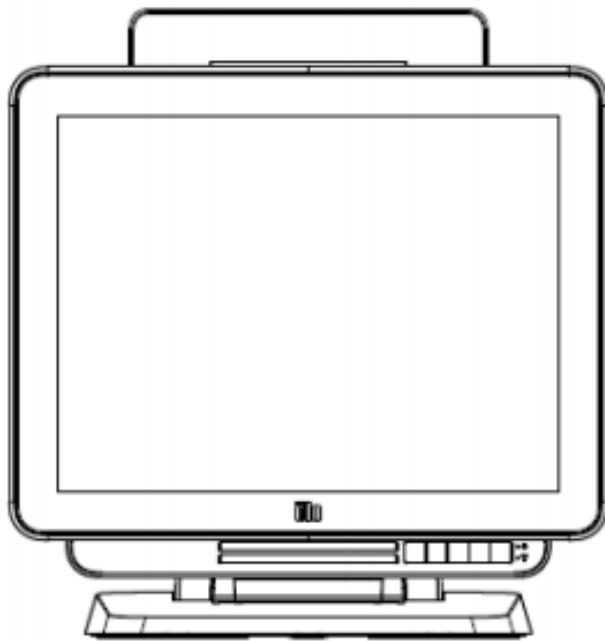


Elo Touch Solutions

Updating BIOS on X-Series AIO with the Q87 BIOS

TSXXXXXX Rev A

Solutions Architect of Technical Services



No part of this publication may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language or computer language, in any form or by any means, including, but not limited to, electronic, magnetic, optical, chemical, manual, or otherwise without prior written permission of Elo Touch Solutions, Inc.

Disclaimer

The information in this document is subject to change without notice. Elo Touch Solutions, Inc. and its affiliates (collectively "Elo") makes no representations or warranties with respect to the contents herein, and specifically disclaims any implied warranties of merchantability or fitness for a particular purpose. Elo reserves the right to revise this publication and to make changes from time to time in the content hereof without obligation of Elo to notify any person of such revisions or changes.

Trademark Acknowledgments

AccuTouch, CarrollTouch, Elo, Elo (logo), Elo Touch, Elo Touch Solutions, Elo TouchSystems, IntelliTouch, iTouch, SecureTouch, TouchTools and VuPoint are trademarks of Elo and its affiliates. Windows is a trademark of Microsoft Corporation.

Table of Contents

Introduction 4

Tools Needed..... 5

Procedure 6

About This Manual

This document guides the user through updating the BIOS on the Elo X-Series AIO touchcomputer with Q87 BIOS version.

The intended audience of this document includes: IT engineers, system engineers, electrical engineers, and end-users.

If after reading through this guide, you still have questions or need help getting your system up and running, please contact an Elo Touch Solutions Technical Representative. www.elotouch.com

Tools Needed

The following hardware and software is needed:

Hardware:

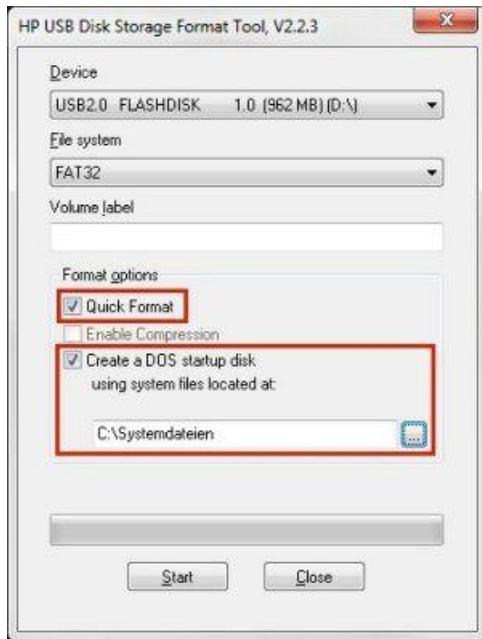
- Elo X-Series AIO Touchcomputer with Q87 BIOS.
- USB Flash Drive

Software:








- BIOS Update Files (Latest as of this writing **V113**)
<https://drive.google.com/file/d/0B1djxigArXO6RzJvVTZzNDVVeDQ/view?usp=sharing>
- System Files
<https://docs.google.com/file/d/0B5T-T3Yb4VD6R1VqZ2pGWE1zb3M/edit?usp=sharing>
- HP USB Disk Format Tool:
<http://www.softpedia.com/get/System/Hard-Disk-Utils/HP-USB-Disk-Storage-Format-Tool.shtml>

Procedure

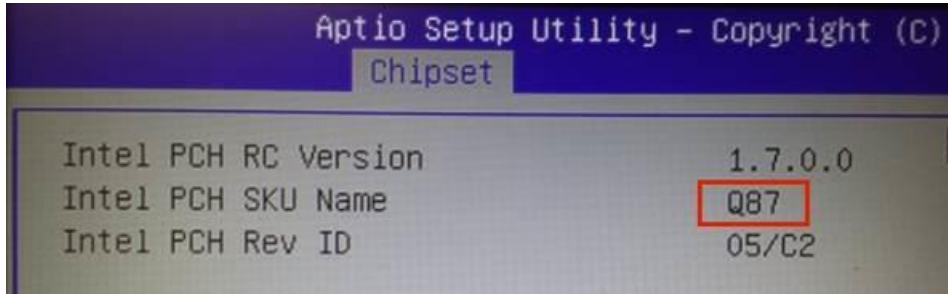
1. The USB flash drive must be DOS bootable, select the system files that you downloaded from the link.



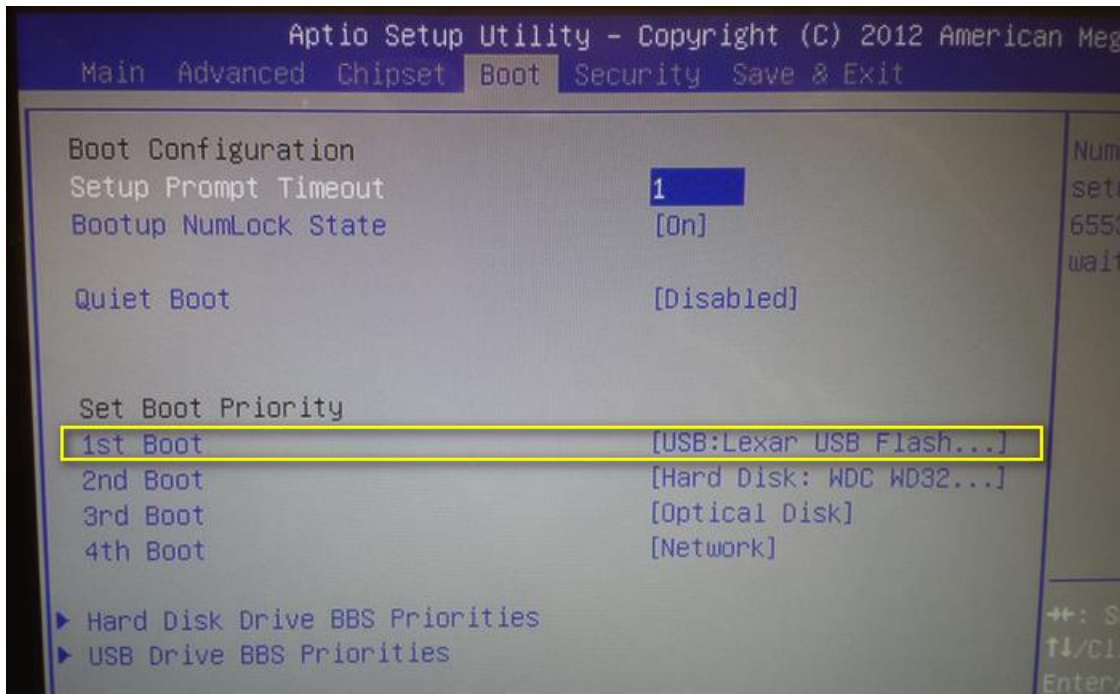
2. Once the USB flash drive is formatted, drag or copy all of the BIOS update files onto the drive.

Name	Date modified	Type	Size
 AFUDOS.exe	8/1/2013 4:59 AM	Application	181 KB
 AUTOEXEC.BAT	3/14/2016 1:51 PM	Windows Batch File	1 KB
 fparts.txt	8/15/2013 7:42 PM	Text Document	9 KB
 History.txt	8/19/2015 6:29 AM	Text Document	57 KB
 outputlog.txt	2/5/2015 3:22 AM	Text Document	0 KB
 Q87V113.bat	3/14/2016 2:13 PM	Windows Batch File	1 KB
 Q87V113.bin	8/19/2015 6:30 AM	PowerISO File	16,384 KB

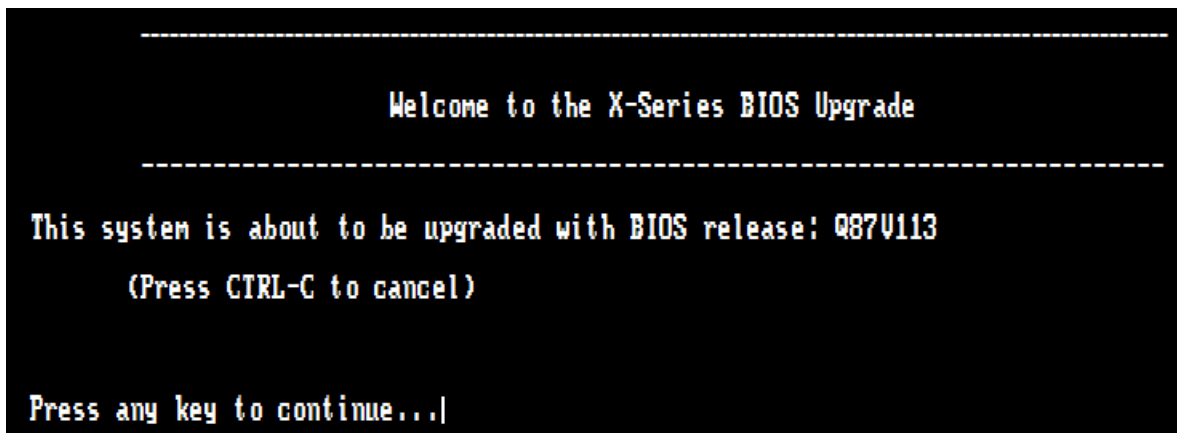
3. **Warning:** there are 2 different motherboards on Elo X-Series AIO computers. Make sure you are only updating a system equipped with the Q87 BIOS version.



4. Go to the BOOT section of the BIOS and make sure the USB flash drive is selected as the #1 BOOT Device. Save changes and exit.



5. The computer should boot to a BIOS screen with the following dialogue, please press any key to continue.



6. You will then be presented with a series of messages such as below:

```

Welcome to the X-Series BIOS Upgrade
-----
This system is about to be upgraded with BIOS release: Q87V113
(Press CTRL-C to cancel)

Press any key to continue...

+-----+
|          AMI Firmware Update Utility   v3.05.01          |
|   Copyright (C)2013 American Megatrends Inc. All Rights Reserved.   |
+-----+

Reading flash ..... done
- ME Data Size checking . ok
- FFS checksums ..... ok
Erasing Boot Block ..... done
Updating Boot Block ..... 0x003BE000 (71%)
```

7. Update is finished when presented with a C:\> prompt. You can then remove the USB flash drive and reboot the computer.

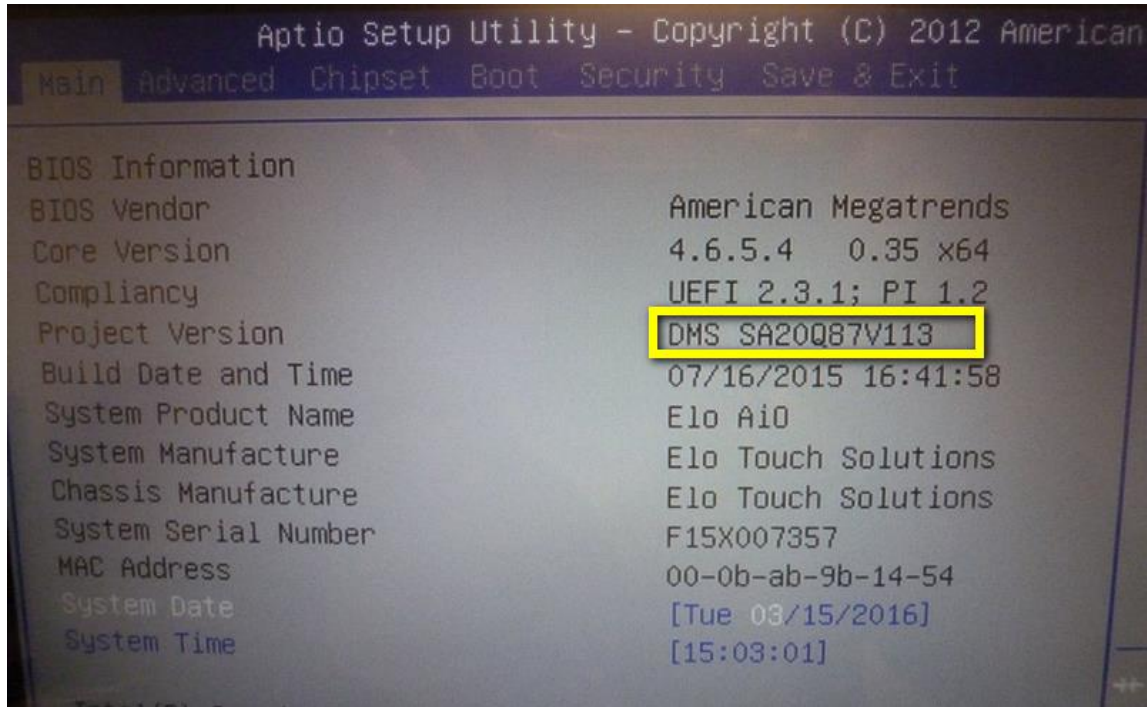
```

+-----+
|          AMI Firmware Update Utility   v3.05.01          |
|   Copyright (C)2013 American Megatrends Inc. All Rights Reserved.   |
+-----+

Reading flash ..... done
- ME Data Size checking . ok
- FFS checksums ..... ok
Erasing Boot Block ..... done
Updating Boot Block ..... done
Verifying Boot Block ..... done
Erasing Main Block ..... done
Updating Main Block ..... done
Verifying Main Block ..... done
Erasing NURAM Block ..... done
Updating NURAM Block ..... done
Verifying NURAM Block ..... done

C:\>
```

- Go into BIOS under the "Main" tab and check that new BIOS version is showing on the "Project Version" line. Example below shows newly updated **V113**:



Check out our website

www.elotouch.com

Get the latest...

- Product Information
- Specifications
- Upcoming events
- Press releases
- Software drivers

Getting in Touch with Us

To find out more about the extensive range of Elo touch solutions, visit our website at www.elotouch.com, or simply call the office nearest you:

North America
Elo Touch Solutions
1033 McCarthy Blvd
Milpitas, CA 95035

Tel 800-ELO-TOUCH
Tel + 1 408 597 8000
Fax +1 408 597 8050
customerservice@elotouch.com

Europe
Tel +32 (0) 16 70 45 00
Fax +32 (0)16 70 45 49
elosales@elotouch.com

Asia-Pacific
Tel +86 (21) 6106 7162
Fax +86 (21) 6485 3981
www.elotouch.com.cn

Latin America
Tel 786-923-0251
Fax 305-931-0124
www.elotouch.com