 Digital Logistics & Fleet Management	Customer information DLT-V83 i5/Celeron Bios M7I05A02 update (USB 3.0 support)	Created/Changed:	JUHU
		Reviewed/Released:	BIMA
		Release Date:	2016-08-29
		Version:	01e

1 Purpose and scope of application

This document describes the update process for Bios version M7I05A02. With the new Bios the USB 3.0 controller is enabled by default. An automatic update script can be downloaded to flash the Bios and install the USB 3.0 driver. If M7I05A02 Bios version is already installed only the additional USB 3.0 driver needs to be installed. On all actual Advantech-DLoG Windows Standard images released as of July 2016 for DLT-V83 i5/Celeron the USB 3.0 driver is already pre-installed.


If an existing “customer” image or a Windows standard image dated before July 2016 is being installed in combination with new Bios version M7I05A02 following limitations will be encountered:

WES7, Win7Pro → USB3.0 controller is detected by Device Manager but not installed
WE8S → USB is not functional / system will restart continuously

Affected product & variant	Product number and revision	Range of serial numbers
DLT-V83 series with <ul style="list-style-type: none"> - Intel i5 Processor - Intel Celeron Processor 	DL-AGBU79385200 V8310 base unit Intel i5 DC 1.9 GHz DL-AGBU79385300 V8312 base unit Intel i5 DC 1.9 GHz DL-AGBU79385400 V8315 base unit Intel i5 DC 1.9 GHz DL-AGBU79389200 V8310 base unit Intel Celeron DC 1.6 GHz DL-AGBU7938930 V8312 base unit Intel Celeron DC 1.6 GHz DL-AGBU79389400 V8315 base unit Intel Celeron DC 1.6 GHz in combination with MS Windows® Embedded Standard 7 MS Windows® 7 Professional MS Windows® Embedded 8 Standard MS Windows® 8.1 Industry Professional MS Windows® 10 IoT Enterprise Bios: M7I05A02	n.a.

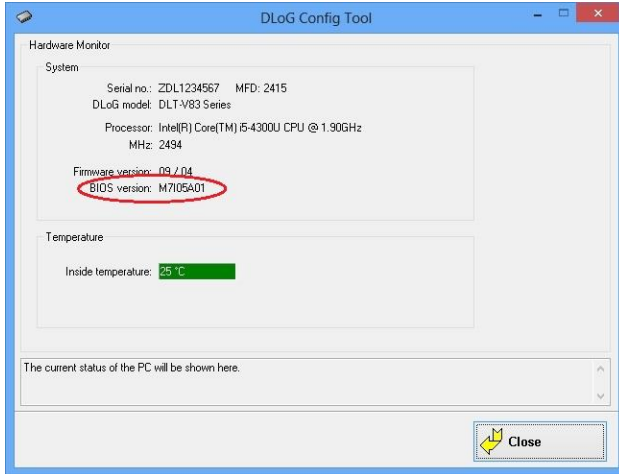
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2 Check Bios version

To check which Bios version is installed open the hardware monitor in DLoG Config Tool:



If Bios version M7I05A01 is installed please continue with chapter 2.1.

If Bios version M7I05A02 is already installed please continue with chapter 2.2.

2.1 Updating Bios to version M7I05A02 and installing USB 3.0 driver

On [ftp://82.135.102.220/Advantech-DLoG_Products/DLT-V83\(i5\)/bios/BIOS+USB3_update.zip](ftp://82.135.102.220/Advantech-DLoG_Products/DLT-V83(i5)/bios/BIOS+USB3_update.zip) you can download "BIOS+USB3_update.zip" to flash the M7I05A02 Bios and install the USB 3.0 driver automatically.

"BIOS+USB3_update.zip" contains all necessary files for updating the Bios of a DLT-V83 i5/Celeron to version M7I05A02 under Windows. It also includes USB 3.0 drivers for WIN7 and WES7 and packages for WE8S concerning USB 3.0 which are needed after Bios update.

Installation:

- Extract the content of the zip file to a USB flash drive and connect it to a DLT-V83 with i5 or Celeron.
- Execute the "Setup.cmd" to start the update process.
- After the Bios update the system will automatically reboot.

On WE8S previously the necessary USB 3.0 packages will be installed.

On WIN7 and WES7 the USB 3.0 drivers will be installed automatically after the above-mentioned reboot. On Win8.1-Ind-Pro and Win10-lot the OS internally USB 3.0 driver will be used.

2.2 Installing USB 3.0 driver on an existing customer Image (Bios M7I05A02 already installed)


If you use WES7 or Windows7 Professional please continue with [chapter 2.2.1](#).

If you use WE8S please continue with [chapter 2.2.2](#).

On Win8.1-Ind-Pro and Win10-lot the OS internally USB 3.0 driver will be used.

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2.2.1 WES7 / Windows7 Professional USB 3.0 driver installation

On [ftp://82.135.102.220/Advantech-DLoG_Products/DLT-V83\(i5\)/bios/USB3_driver-packages-only.zip](ftp://82.135.102.220/Advantech-DLoG_Products/DLT-V83(i5)/bios/USB3_driver-packages-only.zip) you can download the USB 3.0 driver.

Installation:

- Extract the content of the zip file to a USB flash drive and connect it to a DLT-V83 with i5 or Celeron.
- Boot up the DLT-V83 and execute the setup.exe to start the installation process.

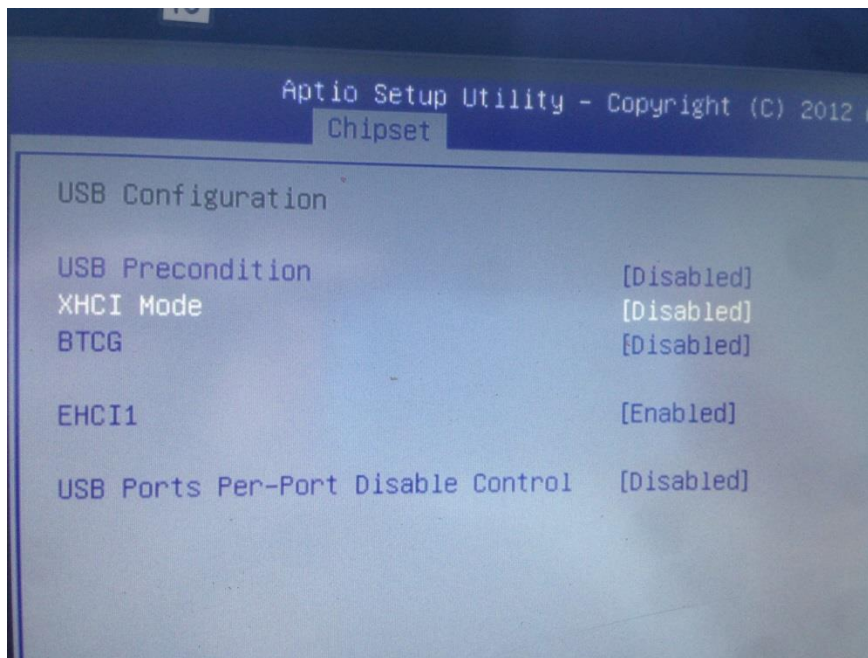
2.2.2 WE8S USB 3.0 packages installation

You can download USB3_driver-packages-only.zip to install the missing WE8S USB 3.0 packages automatically:

[ftp://82.135.102.220/Advantech-DLoG_Products/DLT-V83\(i5\)/bios/USB3_driver-packages-only.zip](ftp://82.135.102.220/Advantech-DLoG_Products/DLT-V83(i5)/bios/USB3_driver-packages-only.zip)

On WE8S you have to disable XHCI Mode in bios first before installing the packages. Otherwise system will restart continuously.


Open the Bios and disable Chipset → PCH-IO Configuration → USB Configuration → XHCI Mode



“Save and Exit” Bios and boot up windows.

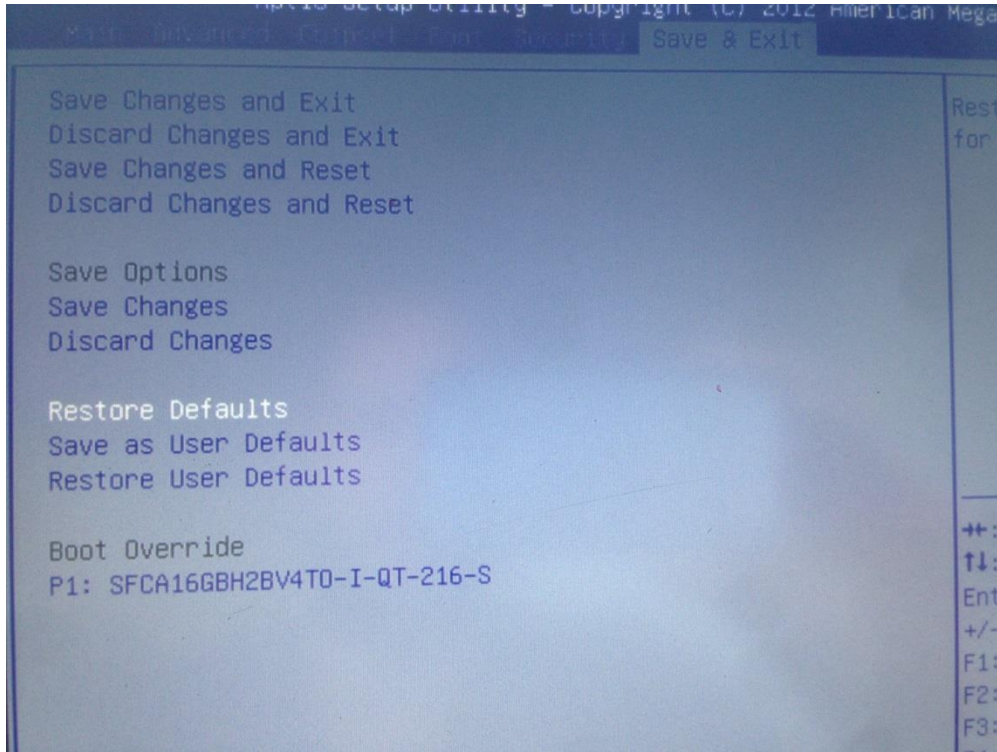
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Installation:

- Extract the content of USB3_driver-packages-only.zip to a USB flash drive and connect it to a DLT-V83 with i5 or Celeron.
- Boot up the DLT-V83 and execute the Install_WE8S_Packages.bat to start the installation process.
- An command window appears to install the missing USB 3.0 packages automatically
- Afterwards the terminal restarts automatically.
- Open the Bios and restore defaults



- “Save Changes and Exit”. Windows restarts and finalized the USB 3.0 driver installation.

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