

Advantech AE Technical Share Document

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Category	<input checked="" type="checkbox"/> FAQ <input type="checkbox"/> SOP	Related OS	-
Abstract	Why does ECU-4784 cannot display through DVI port?		
Keyword	DVI		
Related Product	ECU-4784		

■ **Problem Description:**

This document shows the troubleshooting steps for the issue why does ECU-4784 cannot display through DVI port?

■ **Brief Solution:**

Step 1. Check the DVI connector type.

The [datasheet](#) indicate the ECU-4784 is using DVI-D type.

<ul style="list-style-type: none"> ■ Storage ■ Display ■ Watchdog Timer 	<p>2 x 2.5" SATA HDD (RAID0, RAID1) 1 x CFAST socket HDD Height less than 11mm</p> <p>1 x DB15 VGA, 1 x DVI-D (Resolution: 1920 x 1080)</p> <p>Programmable 256 levels time interval, from 1 to 255 seconds for each tier</p>
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Step 2. Check the BIOS setting.

Figure C.33 LCD Control

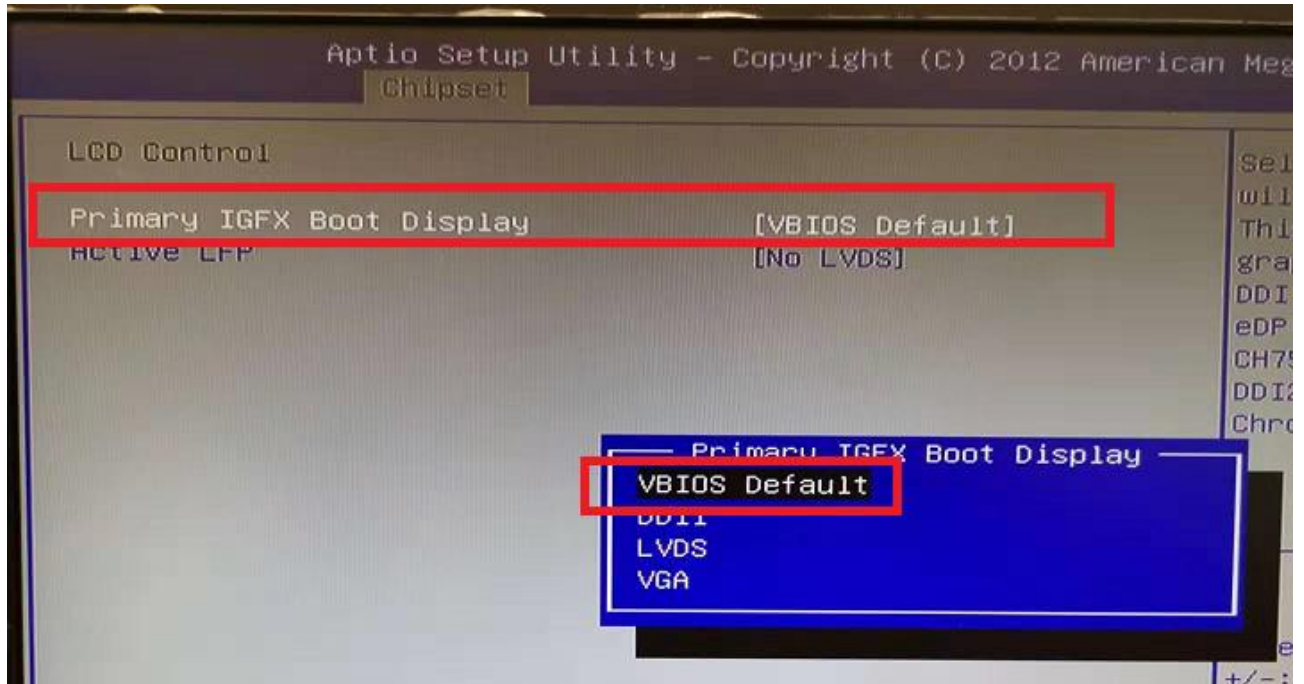
Primary IGFX Boot Display
 This item allows users to select the Video Device which will be activated during post.
 This has no effect if external graphics present.
 VGA: DDI2 (EFP2) DP to VGA by Chrontel CH7517A-BF DDI1: DDI1 (EFP) for HDMI (Default)/DP/DVI
 LVDS: eDP to LVDS(LFP) by Chrontel CH7511B-BF

LCD Panel Type
 This item allows users to select LCD Panel used by Internal Graphics device by selecting the appropriate setup item.

Active LFP
 This item allows users to select the Active LFP configuration.

Additional information:

If a user test with VBIOS setting for primary IGFX boot display function. There will be NO any VGA signal if you use DVI to VGA converter to connect a VGA monitor with DVI port on ECU-4784.



The reason is that DVI-D only have digital signal, it does not contain analog signal in it.

