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PTN3460 FoA (Flash-over-AUX) utility user's guide

Rev. 1 — 15 December 2011　　　　　　　　　　　　　　**Application note**

Document information

Info	Content
Keywords	DisplayPort, PTN3460, DP to LVDS Bridge
Abstract	This document describes the PTN3460 FoA utility operations.

Revision history

Rev	Date	Description
v.1	20111215	application note; initial version

Contact information

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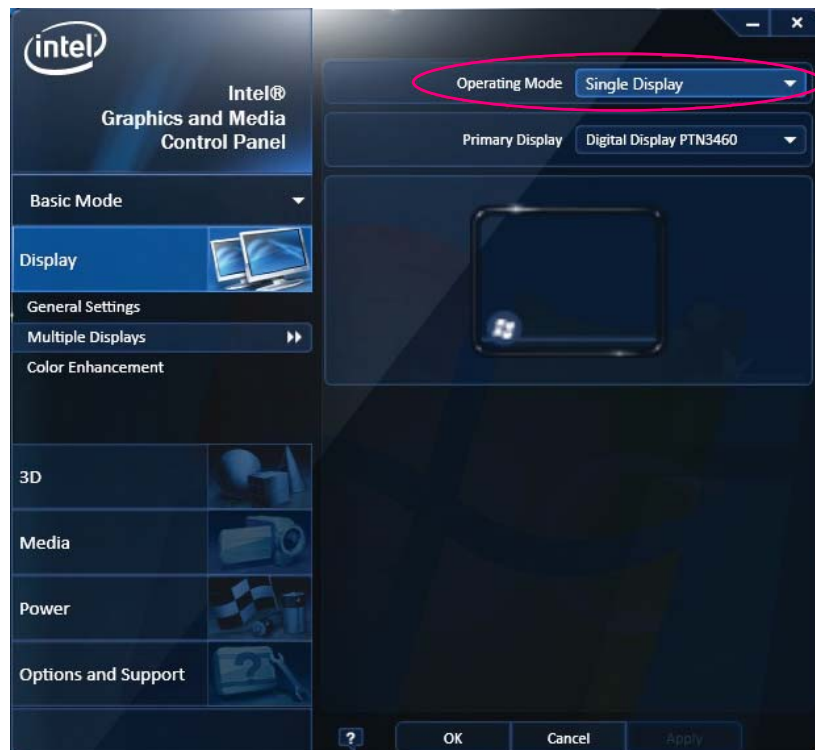
1. Introduction

PTN3460BS FoA firmware v0.7 updater (PTN3460_0.7.exe) is a PC utility that provides 'Flash-over-AUX' capability to enable firmware upgrade in the field. PTN3460BS FoA firmware v0.7 updater upgrades all of the previous firmware versions to version 0.7 into PTN3460BS on NXP eDP to LVDS bridge application board or customer's motherboard.

This user guide is mainly focused on the operation of PTN3460BS FoA firmware v0.7 updater. In the operation section, it uses the actual operation panel to guide user step-by-step. The details of each function are explained and listed in order.

PTN3460BS FoA firmware v0.7 updater supports Windows7, XP and Vista operation system in all platforms. Please install the latest version of graphics card driver before the start of running firmware updater.
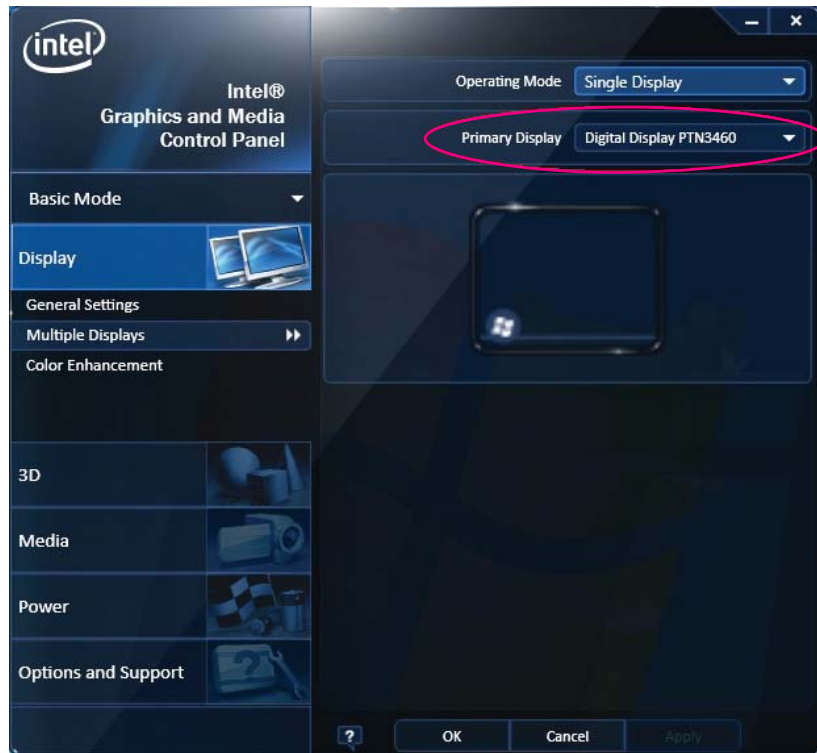
2. Operation

1. Connect an LCD panel to LVDS connector on PTN3460 eDP to LVDS bridge application board, and then plug in a DP cable between PTN3460 eDP to LVDS bridge application board and a DisplayPort source with Windows 7, XP or Vista OS.

2. Use control panel of graphics utility to select 'Single Display', as shown below.
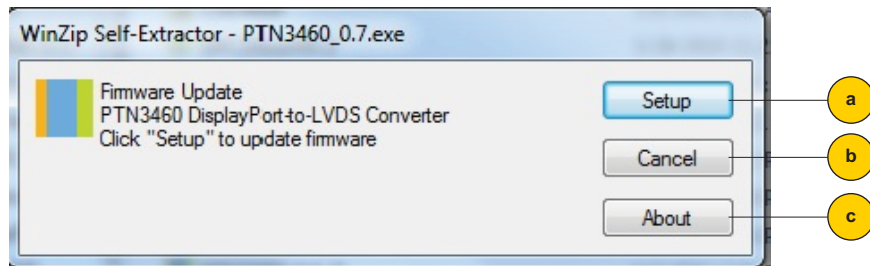

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3. Select the primary (main) display as 'Digital Display PTN3460', as shown below.

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4. Click the PTN3460BS FoA firmware v0.7 updater (PTN3460_0.7.exe) icon, the following control panel will pop up.

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a. Use 'Setup' button to start updating firmware V0.7 into PTN3460BS in NXP PTN3460 eDP to LVDS bridge application board.

b. Use 'Cancel' button to close the program.

c. Use 'About' button to read details about the PTN3460BS FoA firmware v0.7 updater.

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5. After clicking the 'Setup' button, it starts to flash the firmware V0.7 into PTN3460 on NXP eDP to LVDS bridge application board.

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6. It shows '*** FINISHED ***' after firmware upgrade is done.

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3. Abbreviations

Table 1. Abbreviations

Acronym	Description
DP	DisplayPort
eDP	embedded DisplayPort
FoA	Flash-over-AUX
LCD	Liquid Crystal Display
LVDS	Low-Voltage Differential Signaling
OS	Operating System

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