



# SDVO ADD2 Controller Card

DDL-7406 / DDL-7407



## Overview:

DDL-7406 / 7407 are SDVO ADD2 cards which plug in PCI Express socket and receive SDVO signals from mainboards integrated in Intel SDVO chipsets like 945G / 965G and also transfer SDVO signals to digital signals for LCD panels. DDL-7407/7406 provide excellent display quality from VGA up to WSXGA (1680 x 1050) resolution through LVDS or TTL interface. The DDL-7407/7406 adhere to VESA DVI 1.3 (Digital Visual Interface) specifications and support a wide range of LCD panels including AUO, Chi-Mei, IDTech, Sharp, Fujitsu, Hannstar, CPT, NEC, Toshiba, Samsung, LG, Optrex, and Mitsubishi.

## Specifications:

### Gensis ADC Chip

Supports up to WSXGA resolution for TFT panels  
Supports dot clock rate up to 165 MHz  
Supports for 8/6-bit LVDS panels

### SDVO Controller

SDVO transceiver chip  
Follow Intel SDVO specifications

### One 30-Pin LVDS Connector (DDL-7407 only)

Hirose DF13-30P compatible

### One 40-Pin TTL Connector (DDL-7406 only)

Hirose DF13-40P compatible

### Supports +3.3V, +5V, +12V LCD Panel Module

### Supports +12V, +5V, and +3.3V Backlight Inverter

### LCD Backlight On/Off and Brightness Control

### Onboard EDID ROM

VESA DDC 2B 1.X compatible

## Panel Supporting List:

### 6.5" LCD Panel

- Optrex\_T-51750GD065J-FW
- NEC\_NL6448BC20-08
- Toshiba\_LTA065B0D0F

### 10.4" LCD Panel

- CMO\_G104V1-T01
- NEC\_NL6448BC33-59
- Optrex\_T51513D104
- Toshiba\_LTD104C11S

### 12.1" LCD Panel

- LG\_LB121S1
- NEC\_NL8060BC31-17
- Optrex\_T51512D12
- Sharp\_LQ121S1DG41

### 15" LCD Panel

- AU\_G150XG02
- CMO\_G150X1-L01
- NEC\_NL10276BC30-15
- Sharp\_LQ150X1LW71

### 17" / 18" / 19" LCD Panel

- AU\_M170EG01
- AU\_M190EG01
- CMO\_M170E5
- Samsung\_LTM190E4

## Ordering Information:

- DDL-7406-VGA / SVGA / XGA (SDVO ADD2 Input, one TTL connector)
- DDL-7407-VGA / SVGA / XGA / SXGA / WXGA / WSXGA (SDVO ADD2 Input, one LVDS connector)

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