



SDVO ADD2 Controller Card

DDL-7406 / DDL-7407



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. With onboard Genesis scaler chip, 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, CMO, IDTech, Sharp, Fujitsu, Hannstar, CPT, NEC, Toshiba, Samsung, LG, Optrex, and Mitsubishi.

Specifications

Genesis ADC Chip

High quality scaler engine
 Supports up to WSXGA resolution for TFT panels
 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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