Models

HP ADD2 SDVO PCIe DVI-D Adapter	DY674A
HP ADD2 SDVO PCIe VGA/TV-Out Adapter	RZ585AA

Introduction

The HP ADD2 SDVO PCIe DVI-D Adapter is an Advanced Digital Display 2 (ADD2) adapter card that offers a convenient, low-cost method for connecting a DVI digital display to the graphics controller of a high-end desktop PC with a vacant PCIE x16 slot.

The adapter card is based on the Silicon Image Sil 1364 Transmission Minimized Differential Signaling (TMDS) transmitter, offering high quality visual experience with a rock solid, crystal-clear display. It plugs into the PCI Express x16 slot of a PC with an ADD2-compliant chipset, such as the Intel i915G. With the card installed, the PCs VGA connector is still available for a conventional VGA monitor so that both displays can be used simultaneously in a clone-mode or in an extended desktop configuration.

The HP ADD2 SDVO PCIe DVI-D Adapter is the lowest-cost solution to allow DVI connectivity on most Intel-based Business Desktop PC's.

The HP ADD2 SDVO PCIe VGA/TV-Out Adapter is an Advanced Digital Display 2 (ADD2) adapter card offerings a convenient, low-cost method for connecting a VGA display or TV to the graphics controller of a certain desktop PCs with a vacant SDVO slot.

The adapter card is based on the Conenexant CX25905 encoder transmitter, offering a high quality visual experience with a rock solid, crystal-clear display. It plugs into the SDVO slot of a PC with an ADD2-compliant chipset. With the card installed, the PCs VGA connector is still available for a conventional VGA monitor so that two displays can be used simultaneously in a clone-mode or in an extended desktop configuration.

Performance

The HP ADD2 SDVO PCIe DVI-D Adapter (DY674A) is Single-Link DVI-D solution. The HP ADD2 SDVO PCIe VGA/TV-Out is a VGA or TV-Out solution.

Key Benefits

- Enhances Intel's integrated graphics solutions by providing VGA and TV connectivity (RZ585AA) and an all-digital DVI-D graphics connector (DY674A).
- Adds low-cost support for DVI-D devices, such as digital flat panels and projectors (DY674A)
- Allows a second attached display to work with or independently of a display connected to the VGA port integrated on the motherboard
- VGA support allows for connecting two VGA displays to the PC (RZ585AA).
- TV-Out connector for External Video support (RZ585AA).

Overview

Compatibility

The HP ADD2 SDVO PCIe DVI-D Adapter is compatible with the HP Business Desktop dc5700, dx7300, dc7600, dc7700, dc7800, and rp5700 series PCs and the dx6100 and dx6120 microtower.
NOTE: For customers who do not already have a PCIe Riser board installed in their dc7700 USDT for PCIe support, (EU054AA) USDT PCIe Riser Board AMO kit must be ordered for PCIe card support.

The HP ADD2 SDVO PCIe VGA/TV-Out Adapter is compatible with HP Compaq dx7300, dc7700 and dc7800 convertible minitower and small form factor PCs and dc5700 and rp5700 microtower and small form factor PCs.
NOTE: The ADD2 adapter cannot be installed in a dc5700 or dc5750 PC when a second serial port is installed.

Service and Support

These ADD2 cards have either a one-year limited warranty or the remainder of the warranty of the HP product in which it is installed. Technical support is available seven days a week, 24 hours a day, by phone, as well as online support forums. Certain restrictions and exclusions apply.

Technical Specifications

Form Factor	Low-profile card (Full Height (ATX) and Low Profile brackets included in kit)
Dual-head support	Yes
Operating system support	Windows Vista Business 64*, Windows Vista Business 32*, Windows Vista Home Basic 32*, Windows 2000, Windows XP Professional or Windows XP Home 32*. A HP driver is included in the option kit with the card (or newer on the web at http://www.hp.com). Native OS support is not supported by HP.

* Certain Windows Vista product features require advanced or additional hardware. Windows Vista Upgrade Advisor can help you determine which features of Windows Vista will run on your computer. To download the tool, visit http://www.windowsvista.com/upgradeadvisor. For Windows Vista system requirements, visit http://www.windowsvista.com/systemrequirements.

Display Devices Supported

- HP L1740
- HP L1940T
- HP L2045W
- HP LP1965
- HP LP2065*
- HP LP2465*

* analog modes up to 1600x1200@60 Hz only
NOTE: These graphics adapters offer optimal performance with any display that meets applicable VESA standards.

Display Modes Supports display modes that require up to 165-MHz bandwidth on the link, as shown in the following table.

Resolution		60-Hz LCD	60-Hz	75-Hz	85-Hz
Blanking		5% reduced	GTF	GTF	GTF
640 x 480	VGA	Yes	Yes	Yes	Yes
800 x 600	SVGA	Yes	Yes	Yes	Yes
1024 x 768	XGA	Yes	Yes	Yes	Yes
1280 x 1024	SXGA	Yes	Yes	No	No
1600 x 1200	UXGA	Yes	Yes	No	No

Color Depth	All modes support 8-bpp, 16-bpp, and 24-bpp color depths
Host Interface Connector	• Mechanically compliant with PCI-e standard • Complies with the Intel ADD2 and Intel Serial Digital Video Output (SDVO) specifications
Dot Clock	165 MHz maximum
Kit Contents (DY674A)	• HP ADD2 SDVO PCIe DVI-D Adapter with ATX bracket • Low Profile Bracket • Software (Drivers) CD-ROM • Product documentation
Kit Contents (RZ585AA)	• HP ADD2 SDVO PCIe VGA/TV-Out Adapter with ATX bracket • Low Profile Bracket • Software (Drivers) CD-ROM • Product documentation