ADVANTECH

PCA-5650 Dual VGA Output Mini PCI Express Graphic Card for Multimedia Applications
Startup Manual

Packing List

Before you begin installing your card, please make sure that the following items have been shipped:

- 1 PCA-5650 Dual VGA Output Mini PCI Express Graphic Card
- 1 PCA-5650 Start up Manual
- 1 CD with driver
- 1 Dual VGA cable kit   P/N:1700018579
- Warranty card

If any of these items are missing or damaged, please contact your distributor or sales representative immediately.

Specifications

Standard Functions

- **GPU:** Silicon Motion SM750
- **Bus:** PCI Express x1 500 MB
- **Memory:** 32 bit, 166 MHz, 16 MB DDR SDRAM
- **CRT1/CRT2 output:** supports display resolution up to 1920 x 1080 and supports vertical refresh rate up to 75 Hz
- **Dual display mode:** CRT+CRT, supports single, clone and dual mode
- **O.S. support:** Windows 7, Windows XP, Windows Server 2003, Windows Server 2008

Mechanical

- **Dimensions:** 64.3 mm x 67.3 mm

Connectors

VGA2   VGA1
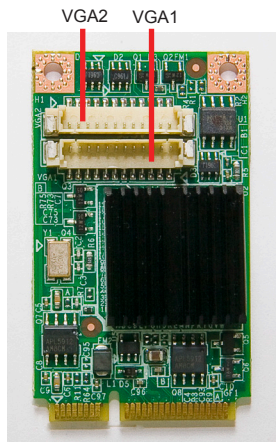
Connectors	
Label	**Function**
VGA1/VGA2	12 pin VGA connector by pin header

VGA1

12 11 10 9 8 7 6 5 4 3 2 1

VGA2

1 2 3 4 5 6 7 8 9 10 11 12
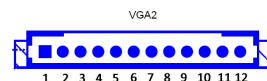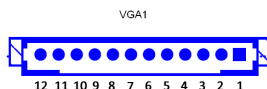
VGA1/VGA2			
Pin	**Signal**	**Pin**	**Signal**
1	GND	2	CRT_R
3	CRT_G	4	CRT_B
5	GND	6	N/A
7	CRT_SDA	8	CRT_SCL
9	GND	10	CRTHS
11	CRTVS	12	GND

Board Dimensions
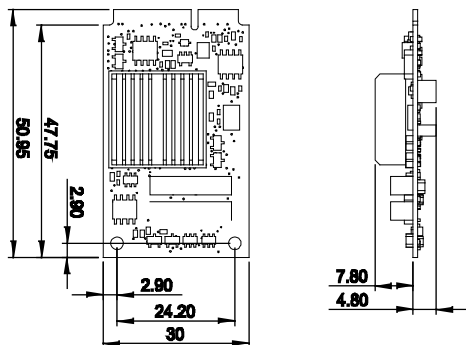
Software Installation

The CD disc contains a driver installer program that will lead you through the installation of various device drivers needed to take full advantage of your CPU card.

Safety Information

This device complies with the requirements in Part 15 of the FCC rules. Operation is subject to the following two conditions.
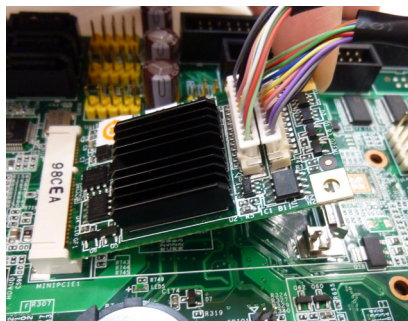
1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation.

Installation Guide

1. Please connect the VGA1 and VGA2 connector on Mini PCI Express VGA card with VGA cable.

2. Please connect Mini PCI Express card to connector of host CPU board as shown below.

3. Push Mini PCI Express VGA card into the connector lock as shown below.