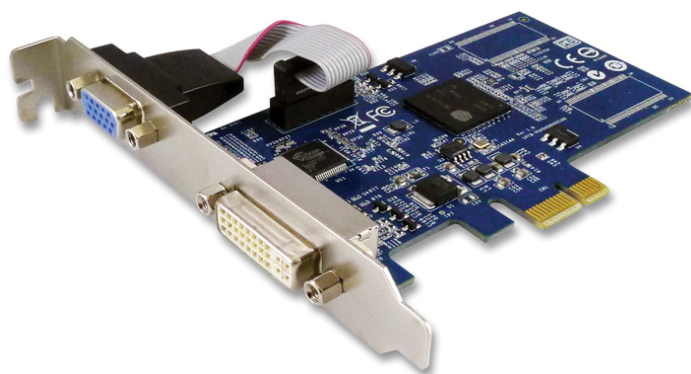# VGA0449M

PCIe Dual channels 2D Power Saving Graphics Controller

Introduction

SUNIX VGA0449M graphics card which built-in ultra power saving graphics controller is specializes in commercial and industrial applications environments, only 2W ultra low power consumption, no heat-sink or fan needed, it is not only substantial increase in system MTBF rate and also best choice for green environmental protection energy conservation. With high quality 2D 1920x1080 FullHD resolutions, VGA & DVI-I dual outputs, various drivers supporting, and PCI Express Bus cost efficient design. SUNIX VGA0449M is the high value and reliable graphics solution for server and cost conscious systems, such as servers, Thin Clients, ATM, POS system and industrial PC. This card is the best solution for multi-screen and expanding business opportunities.

Features

- Fully compliant with PCI Express 1.1 specification.
- Built-in both VGA RGB and DVI-I (single-Link) connections.
- Ultra-Low power consumption 2W makes heat sink free.
- Max 2D resolution FullHD 1920x1080 resolution.
- Certified by CE, FCC, VCCI, BSMI, C-Tick, and RoHS.
- Supports a variety operation system, including Windows and Linux operation systems.
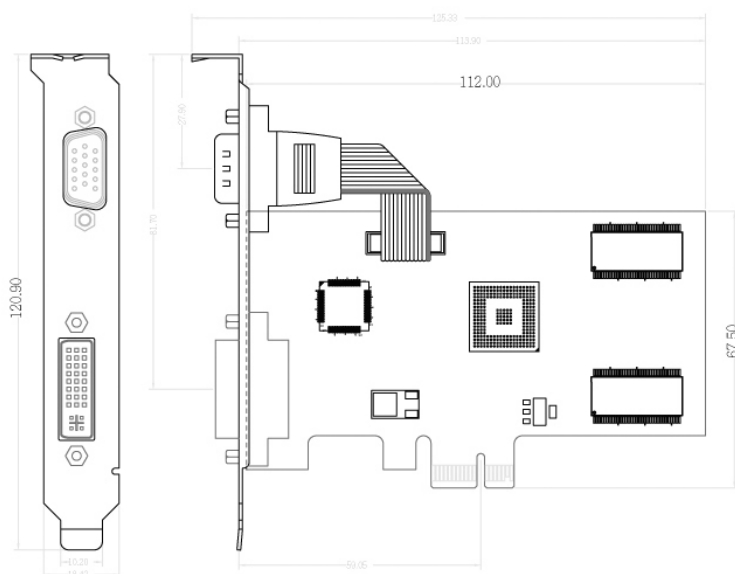
Specifications

Model	VGA0449M
Description	PCIe Dual channels 2D Power Saving Graphics Controller
Controller	Siliconmotion SM750
Memory	64MB DDR Synchronous DRAM (SDRAM)
Port Type	VGA RGB (D-Sub) DVI-I 24pin + 5pin Female Connector (single-Link)
Power Consumption	2W

O.S. support	Microsoft Client: XP/7/8/8.1 (X86/X64) Microsoft Server: 2003/2008 (X86/X64) Linux: 3.4.x / 3.x Others: DOS
Environment	Operation temp. -10 ℃ ～ 70 ℃ Operation humidity: 5 ～ 95% RH Storage temp.-20 ℃ ～ 85 ℃
Dimension	67.5(W) x - 112(L)mm
Regulatory Approvals	EUR: CE, EN55022 Class B, EN55024, EN61000-3-2, EN61000-3-3 US: FCC Part 15 Class B TAIWAN: BSMI: CNS13438 AS/NZS: C-Tick: CISPR22 JAPAN: VCCI

Resolution Support

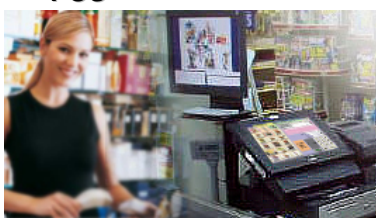| Resolution for Windows						
	Color-16bit			Color-32bit		
	60Hz	75Hz	85Hz	60Hz	75Hz	85Hz
640X480	V	V	V	V	V	V
800X600	V	V	V	V	V	V
1024X600	V	-	-	V	-	-
1024X768	V	V	V	V	V	V
1280X720	V	-	-	V	-	-
1280X768	V	-	-	V	-	-
1280X800	V	-	-	V	-	-
1280X1024	V	V	V	V	V	V
1360X768	V	-	-	V	-	-
1440X900	V	-	-	V	-	-
1600X900	V	V	V	-	-	-
1680X1050	V	-	-	-	-	-
1920X1080	V	-	-	-	-	-

Mechanical Drawings (Unit = mm)

Package

- VGA0449M – PCI Express Dual channels 2D Power Saving Graphics Controller
- CD Driver
- Quick installation guide
- Low Profile Bracket (Optional)

Application

• POS

• Digital Signage

• ATM

• Multi-Screen Stock Market