

VGA0429L

PCIe DVI-I 2D Power Saving
Graphics Controller (Low Profile)



Introduction

VGA0429L 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, 16.7M colors output, various drivers supporting, PCI Express Bus cost efficient design, and low profile slim size dimensions.. SUNIX VGA0429L 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 standard DVI-I (single-Link) connection.
- 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

Interface	PCI Express (x1)
Controller	Siliconmotion SM750
Memory	16MB DDR Synchronous DRAM (SDRAM)
Port Type	DVI-I 24pin + 5pin Female Connector (single-Link)
Power Consumption	2W

Driver Support

Microsoft Client	XP/7/8/8.1 (X86/X64)
Microsoft Server	2003/2008 (X86/X64)
Linux	Linux 2.x / 3.x
DOS	DOS

Regulatory Approvals

Hardware EMC	<ul style="list-style-type: none"> ● EUR: CE EN55022 Class B, EN55024 ● US: FCC Part 15 Class B ● TAIWAN: BSMI: CNS13438 ● AS/NZS: C-Tick: CISPR22 AS/NZS ● JAPAN: VCCI
Software Driver	Microsoft WHQL Windows <ul style="list-style-type: none"> ● Microsoft Client: XP/7/8/8.1 (X86/X64) ● Microsoft Server: 2003/2008/2012R2 (X64)

Environment

Operation Temperature	-10 to 70°C (-13.9 to 158°F)
Operation Humidity	5 to 95% RH
Storage Temperature	-20 to 85°C (-4 to 185°F)

Dimension

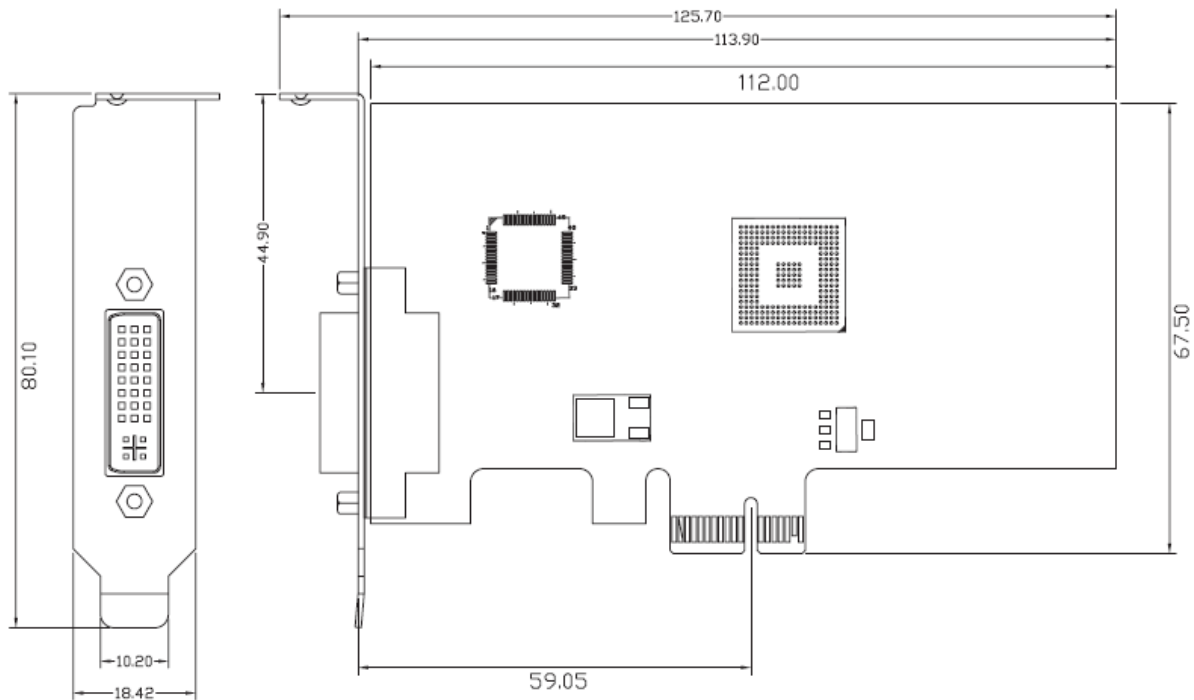
PCB Dimension	67.5(W) x - 112(L)mm
Bracket	Low Profile 80 mm
Bracket Space	1

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)

■ Low Profile

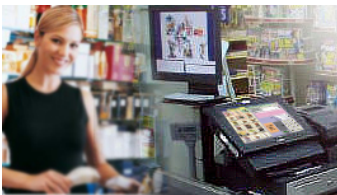


Package

- VGA0429L – PCI Express DVI-I 2D Power Saving Graphics Controller (Low Profile)
- CD Driver
- Quick installation guide

Application

POS



Digital Signage



ATM



Multi-Screen Stock Market



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