FUJITSU

Data Sheet
FUJITSU PRIMERGY graphics card 512 MB from NVIDIA

PRIMERGY server meet requirements for high-resolution graphics solutions

The standard for MULTI-display commercial graphics delivers exceptional flexibility, scalability, and compatibility that make it easy to drive any kind of multi-display installation for your business.

Get the most from your existing display infrastructure. The graphic boards give you incredible flexibility, regardless of display connectivity and chassis size.

PRIMERGY graphics card 512 MB from NVIDIA
The NVIDIA Quadro NVS 300 (512 MB, PCIe x1) is specially designed to supply excellent 2D graphics performance when installed in a PCIe x1-slot, but it is also compatible with PCIe x4, x8 and x16 extension slots.
The NVIDIA nView™ multidisplay technology seamlessly integrated in the Microsoft® Windows® 2008 R2 environment offers a robust set of features which maximize productivity. The feature Application Extensions, with applications such as Microsoft Internet Explorer, has all the advantages of several monitors. This sets new standards regarding workstation productivity as it offers stability, image quality and performance never achieved before. No other solution has such incredible stability and such productivity-increasing functions which are all seamlessly integrated into the Windows and Linux environment.
- Intuitive and interactive NVIDIA nView setup assistant

- Multidesktop support enables the user to create up to 32 individual desktops
- Improved desktop administration
- Excellent application and profile management
- Challenging window effects
NVIDIA NVS solutions are not only designed to ensure user productivity - they also streamline and optimize implementation and maintenance. The NVIDIA NVS 300 offers extended graphic functions for graphic-oriented server applications which have been optimized for video monitoring, process control centers and comparable server operation scenarios. This graphics adapter is supported by Windows and by Linux operating systems.

Main Features	Benefits
■ NVIDIA NVS 300 GPU (graphics processor)	■ Dual 400-MHz-RAMDACs provide top image quality
■ 512 MB local frame buffer	■ Maximum resolution analog 2048 x 1536 x 32 bbp at 85Hz
■ 64-bit memory interface	■ Maximum resolution digital 1920 x 1200 at 60Hz (monitor must support this resolution)
■ DMS-59 connection supports two DVI-I or VGA monitors	■ Dual-Head support for special graphics applications
■ ATX PCI-Express (65 mm x 168 mm) form factor for low profile systems	■ Can be used in tower and rack-optimized servers, i.e. with the smallest form factors
■ Passive heat sink	■ Ensures whisper-like operation and reliable cooling

Technical details

Technical details

Graphics memory size	512 MB DDR3
Graphics resolution	2,048 x 1,536 x 32bit@85Hz (analog) / 1,920 x 1,200 x 32bit@60Hz (digital)
Dual head function	Yes
3D graphics acceleration	Yes
Local OS	W2K8, W2K8 R2, SUSE SLES10, SLES11, Red Hat EL5, EL6
KVM redirection	Requires external KVM switches
Power consumption	18 Watt
Graphics features	DirectX® 10.1 support Open GL® 3.3
Processing Unit	16 GUDA
Slot	PCIe 2.0 x1
Connectors on graphics board	1*DMS 59 (15pin VGA with included DVI/VGA converter)
Connectors after LFH splitter cable	2*DVI-I (15-pin VGA by using included DVI/VGA converter)
Shipped Adapters	1*LFH59 splitter cable +2*DVI/VGA converterS
Monitor combinations	Single/Dual VGA / DVI-D / DVI-A / DVI-I in every combination possible on each output
Dual RAMDAC	each 400 MHz
Dimensions (W x D in mm)	168 x 65
Cooling solution	Fan less (heat sink)
Driver certification	Windows Server 2008 32bit / 64bit and R2
Mainboard onboard graphics	BIOS switch set to: DISABLED when using graphics card in main graphics slot
Graphics card notes	All resolutions dependent on display type 4:3 or 16:9 (additional resolutions possible depending on monitor edit data) Color depth (bit/pixels): 8/16/32 The VGA card is released for use in the following PRIMERGY Server (plese observe the respective release date for the servers): TX100 S2, TX120 S2, TX140 S1, TX150 S7, TX200 S6, TX300 S6, RX100 S6, RX100 S7, RX200 S6, RX300 S6

Environment

Power consumption	18 Watt

Compliance

Germany	GS
Europe	CE EN
USA/Canada	FCC Class B
Compliance notes	According to the corresponding system
Compliance link	https://sp.ts.fujitsu.com/sites/certificates

More information

Fujitsu products, solutions & services

In addition to Fujitsu with PRIMERGY graphics card 512 MB from NVIDIA, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

Computing Products

www.fujitsu.com/global/products/computing/

Software

www.fujitsu.com/software/

More information

Learn more about FUJITSU Server PRIMERGY graphics card 512 MB from NVIDIA, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. http://www.fujitsu.com/primergy

Fujitsu green policy innovation

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Using our global know-how, we aim to contribute to the creation of a sustainable environment for future generations through IT. Please find further information at http://www.fujitsu.com/global/about/environment

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