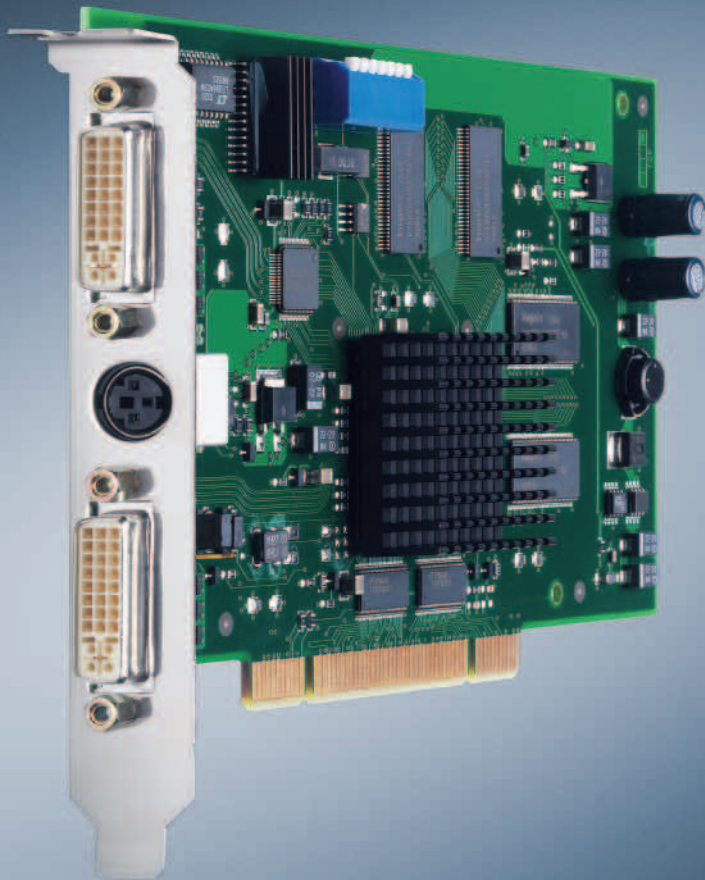


SDG 1612 D

Universal 5 MPixel Gray Scale Display Controller



- Resolution (analog): from 640 × 480 pixels to 1536 × 2048 pixels and 2048 × 2560 pixels via SDA 2025S DVI/analog converter in landscape and portrait formats
- Resolution (digital, DVI): from 640 × 480 pixels to 2048 × 2560 pixels in landscape format
- Dual-Head
- 10-bit DAC for 256 representable gray scale shades from a palette of 1024
- Direct display of boot sequences on the high-resolution monitor
- 10-bit Look Up Table (LUT)
- 64-Mbyte SDRAM
- PCI bus
- Low power consumption
- Compatible with the SMfit software
- Drivers for Windows 2000, Windows XP and Sun Solaris
- Universal graphics card for gray scale monitors and flat panel displays

display SOLUTIONS

The dual-head display controller SDG 1612 D supports 256 gray scale shades from a palette of 1024. Images with a resolution up to 2048 × 2560 pixels per output are displayed within a fraction of a second. The display controller is also suitable for displaying fast image sequences. The image refresh rate of up to 76 Hz permits flicker-free display of images at full resolution.

Sun Solaris, Windows 2000 and Windows XP operating systems are supported.

The display controller communicates with the CPU via a PCI bus, and is supported by the SMfit software.



SDG 1612 D

Universal 5 MPixel Gray Scale Display Controller

Technical specifications	
General	
Number of connectable monitors or flat panel displays	2 or 1
Monitor types	<ul style="list-style-type: none"> 1-, 2- and 3-Megapixel CRT monitors 5-Megapixel CRT monitor via SDA 2025 S DVI/analog converter
Flat panel display types	Up to 5 Megapixel resolution
Boot sequence	Is displayed on high-resolution monitor
Graphics bit	8 bits/pixel
Graphics memory	64-Mbyte SDRAM
Look Up Table	8-bit input, 10-bit output
Bus interface	PCI
Compatible monitors	Eizo SMM and SCM series
Compatible flat panel displays	Eizo SMD and SCD series
Recognition of flat panel display	Via DDC/CI
Signal outputs	
Connectivity	2 x DVI-I
Mechanical specifications	
Slot	1 PCI slot, 32 bit, 33 or 66 MHz, 3.3 V and 5 V tolerant
Dimensions (W x H) in mm	168 x 106.7 (short PCI)
Weight	Approximately 0.25 kg
Climatic conditions	
Operating temperature	5 ... +40 °C (41 ... +104 °F)
Storage temperature	-10 ... +60 °C (14 ... +140 °F)
Operating humidity	30% ... 85% (no condensation)
Power consumption	Max. 10 W
Operating modes	
Display of boot sequence and BIOS setup of PC	On the high-resolution monitor/ flat panel display
<u>Analog:</u>	
<ul style="list-style-type: none"> From 640 x 480 to 1536 x 2048 	In the image refresh rate range from 60 ... 85 Hz
<ul style="list-style-type: none"> 2048 x 2560 via SDA 2025 S 	71 Hz/76 Hz
<u>Digital:</u>	
<ul style="list-style-type: none"> From 640 x 480 to 1920 x 1200 	In the image refresh rate range from 60 ... 85 Hz
<ul style="list-style-type: none"> to 2560 x 2048 	25 Hz/30 Hz

Technical specifications	
Operating system support	
PC systems	Windows 2000, Windows XP
Workstations	Sun Solaris 7/8 on request
Ordering data	
SDG 1612 D	6GF6632-2TP02

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