

# Silicon Graphics® I600SW Flat Panel Display

## With Silicon Graphics MultiLink™ Adapter

### I600SW Features

- 17.3-inch 1.64-megapixel display with 1600x1024 resolution
- SuperWide screen size displays 25% more data
- Ultrafine .23 mm dot pitch (110 dpi) for sharper image quality
- Lightning-fast pixel response supports full-motion digital video playback
- Patented backlighting system provides superior brightness, contrast, and color saturation
- Includes the LCD industry's only color temperature adjustment system
- Supports true, 24-bit color

### MultiLink Adapter Features

- Accepts any VGA analog, DVI, or DFP digital input—enabling broad compatibility with a wide range of video cards
- Built-in scaler adjusts input resolutions to the screen size
- Convenient on-screen display provides controls for brightness, contrast, color temperature, and other key parameters
- 720p HDTV support

### The Ultimate Professional Flat Panel Display

Today's high-performance, graphics-based applications demand precise colors, fast pixel response, and crystal-clear text, graphics, and video. The award-winning Silicon Graphics I600SW flat panel display delivers the best image quality of any LCD or CRT on the market. And now with the Silicon Graphics MultiLink Adapter, the industry's leading digital display works with a wide range of digital and analog graphics cards, providing unprecedented flexibility for PC, Mac®, and workstation platforms.

### Unmatched Image Quality

Advanced SGI LCD technology combines superior brightness, contrast, and color saturation with an ultrafine .23 mm dot pitch (110 dpi) to give the Silicon Graphics I600SW display its industry-leading image quality. The SuperWide™ screen size and high 1600x1024 resolution provide 25% more pixels (1.64 million) than standard 18-inch or 20-inch SXGA monitors, allowing users to display more data—including two side-by-side pages—with razor-sharp clarity.

### Use Your Choice of Computers and Graphics Cards

The versatile new MultiLink Adapter turns the ultimate flat panel monitor into the most compatible digital display on the market today. MultiLink enables the Silicon Graphics I600SW flat panel display to accept both VGA analog and DVI or DFP digital signals by converting them to the monitor's market-leading LVDS digital interface. This provides broad compatibility with a wide variety of video cards. MultiLink's built-in scaling capability ensures that even lower resolution images scale to maximize the expansive SuperWide display.

### Get the Most for Your Investment

With the MultiLink Adapter, I600SW users have the freedom to upgrade their video cards at any time and to share their display easily between different systems, prolonging the value of their flat panel display investment.

The Silicon Graphics MultiLink Adapter is available as an upgrade to existing displays and as part of a bundle with new Silicon Graphics I600SW flat panel displays. For more information and a list of cards and drivers that maximize the capabilities of the display, please visit [www.sgi.com/go/flatpanel](http://www.sgi.com/go/flatpanel).



## Image

• Viewing area size	17.3" [44 cm] diagonal [19" CRT equivalent] 14.7" [37 cm] horizontal, 9.2" [23 cm] vertical
• Resolution	Maximum true resolution of 1600x1024 pixels at 60 Hz Supports 640x480, 800x600, 1024x768, and 1280x1024 at 60 Hz, adjustable aspect ratio and BIOS modes 720x400, 720x350, 640x400, and 640x350 at 70 Hz ANSI/SMPTE 296M-1997 1280x720p HDTV resolution [requires HD to RGB converter]
• Aspect modes	Scaled with retained aspect, scaled and stretched to wide aspect
• Dot pitch, dots per inch	.23 mm, 110 dpi
• Screen type	Thin Film Transistor [TFT] Active Matrix Liquid Crystal Display [AMLCD]
• Image controls	On-screen display controls brightness, contrast, color temperature, aspect ratio, and screen position in English or Japanese
• Display colors	16.7M [24-bit true color, no dithering]
• Viewing angle	120° horizontal, +45°/-55° vertical with antiglare surface
• Brightness	235 cd/m <sup>2</sup> [maximum]
• White balance	User adjustable from 5,000 K to 7,000 K
• Contrast ratio	350:1 [typical]

## Connectivity

• Video interface input	DVI-I, supporting analog VGA and digital DVI and DFP via bundled cables 720p HDTV [with RGB converter]
• Video interface output	Digital: LVDS
• Supported platforms	Any Windows®, Mac OS, or Linux® systems with a VGA, DVI, or DFP video connector  Supported Silicon Graphics visual workstations: —Silicon Graphics® 230, Silicon Graphics® 330, Silicon Graphics® 550 —Silicon Graphics® Onyx2® [requires IRIX® 6.5.8 or later] —Silicon Graphics® O2®, Silicon Graphics® 320, Silicon Graphics® 540 [MultiLink not required on these systems for flat panel connection]

## Physical and Power

• Power supply	<b>Monitor</b> 100 to 240 VAC 50 to 60 Hz, single phase 29 W operating, 2.5 W in power-saving mode 12VDC power brick supplied	<b>Adapter</b> 100 to 240 VAC 50 to 60 Hz, single phase 7.5 W operating 12VDC power brick supplied
• Environmental	Operating temperature range: Operating humidity range:	10°C to 35°C 10% to 85% relative humidity, noncondensing
• Monitor size and weight	With base Head only, no base	17.875" W x 18.375" H [maximum height] x 7.375" D, 16 lb [45.4 x 46.7 x 18.7 cm, 7.3 kg] 17.875" W x 12.6" H x 3" D, 8 lb [45.4 x 32 x 7.6 cm, 3.6 kg]
• Adapter size and weight	8.68" W x 5.18" H x 1.21" D, 1.5 lb [22 x 13.1 x 3.1 cm, 0.7 kg]	
• Mounting options	Desktop	Elevation adjustment range: 3.75" [9.5 cm] [in .375" increments] Tilt adjustment: +15°/-5°
	Wall or custom mount	VESA Flat Panel Monitor Physical Mounting Interface [FPMPMI] 75 mm 4-hole standard mount on monitor back, compatible with Ergotron® adjustable mounting arms
• Agency approvals	FCC Part 15 Class B CSA certified [CSA 22.2 No. 950] EPA Energy Star compliant EN 61000-4-2,3,4,5,8 EN 61000-3-2,3 SO 9341-3, 9341-8	CB scheme report [safety] CISPR 22 Class B—complies with European EMC directive NOM [NOM-019-SCF1-1993] TUV [EN 60950] GS Mark
		TCO 95 UL listed [UL 1950] CE Mark VCCI Class B MPR-III [Sweden]

## Awards



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