

Silicon Graphics® Digital Flat Panel Solution Pack



Silicon Graphics 1600SW Flat Panel Monitor Features

- High-resolution 1600Hx1024V LCD monitor
- Large screen size (17.3 inches diagonal)
- Unique SuperWide™ screen format displays two full pages of information
- Ultrafine dot pitch (110 dpi) for professional-quality image editing
- Fast pixel response for video playback at 30 frames per second

Number Nine Revolution® IV-FP Graphics Card Features

- Pure 128-bit graphics power
- 32MB of graphics memory for fast, high-resolution 3D
- MPEG-2 playback
- True color (32-bit)
- Full-featured Direct3D and OpenGL®
- Supports analog CRT or second-generation OpenLDI digital flat panel



The Worlds' First All-Digital, High Resolution Display System

The Flat Panel Bundle combines the revolutionary Silicon Graphics 1600SW™ flat panel monitor with Number Nine's powerful Revolution IV-FP graphics accelerator to bring stunning visual quality to Windows® 95, Windows 98, and Windows NT® 4.0 computers.

The Ultimate Flat Panel Monitor from Silicon Graphics

Silicon Graphics 1600SW flat panel monitor incorporates serious technical innovation, redefining state of the art for LCD monitors and giving the display the best color quality of any LCD or CRT monitor on the market. Ultrafast pixel response guarantees smooth, artifact-free video and animation. The unique SuperWide format enables simultaneous display of two entire 8.5-inch by 11-inch pages.

The Silicon Graphics 1600SW uses the next-generation OpenLDI digital display interface to support resolutions not possible on other LCD monitors. OpenLDI protects your investment by ensuring support for future displays with resolutions up to HDTV (1920x1080) and beyond. You also get the highest resolution of any flat panel monitor—1600Hx1024V pixels—and more than 16.7 million simultaneous colors (in true color). That's 110 dpi, the finest dot-pitch of any flat panel monitor—satisfying the needs of the most demanding visual computing professionals.

Powerful Graphics from Number Nine

The Flat Panel Bundle is powered by the Revolution IV-FP, the fourth-generation 128-bit 2D and 3D video accelerator from Number Nine Visual Technology Corporation. The card supports AGP and PCI configurations and includes 32MB of local frame buffer and texture memory. Dual graphics pipelines provide maximum performance. Whether you're running professional applications or games, video conferencing in a window, or playing back a full-screen MPEG video, the Revolution IV-FP delivers no-compromise performance.

The Revolution IV-FP card drives the flat panel monitor with Number Nine's legendary image quality. The card's unique scaling capability allows full-screen, high-quality support for resolutions from 640Hx480V up to 1600Hx1024V on the flat panel. It's powered by Number Nine's cutting-edge 128-bit graphics processor, Ticket to Ride™ IV, with advanced features such as anti-aliasing, transparency, Phong lighting, and trilinear filtered texture mapping.

Silicon Graphics 1600SW/Number Nine Revolution IV-FP

Technical Specifications

SILICON GRAPHICS 1600SW	
Screen size	• 17.3" diagonal (19" CRT equivalent)
Resolution, screen refresh rate	• 1600x1024 pixels at 60 Hz, 110 dpi
Screen type	• Thin film transistor (TFT) active-matrix liquid crystal display (AMLCD)
Display colors	• 16.7M (24-bit true color, no dithering)
Viewing angle	• 120° horizontal; 100° vertical; antiglare surface
Brightness	• 235 cd/m ² (max)
White balance	• User adjustable white balance from 5000°K to 7000°K
Contrast ratio	• 350:1 (typical)
Monitor interface	• Second-generation OpenLDI digital interface (36-pin connector)
Power supply requirements	• Line voltage: 100 to 240 VAC • Frequency: 50 to 60 Hz, single phase • Power: less than 30 W operating, 12 VDC power brick (supplied)
Environmental requirements	• Operating temperature: 10°C to 35°C
Size and weight	• Display with base unit: 17.875" W x 18.375" H x 7.375" D, 16 lb/7.2 kg • Display without base (for wall mount): 17.875" W x 12.6" H x 3" D, 8 lb/3.6 kg
Mounting options	• Desktop –Elevation adjustment range: 3.75" (.375" increments) –Adjustable tilt, +15°/-5° • Wall or custom mount –VESA standard (75mm) 4-hole mount, compatible with Ergotron™ mounting arms
Agency approvals	<ul style="list-style-type: none"> • FCC Part 15 Class B • CISPR 22 Class B—complies with European EMC directive • MPR-III (Sweden) • VCCI Class B • CE Mark • CB scheme report (safety) • EPA Energy Star compliant • EN 61000-4-2,3,4,5,8 • EN 61000-3-2,3 • TCO 95 • UL listed (UL 1950) • CSA certified (CSA 22.2 No. 950) • TUV (EN 60950) GS Mark • NOM (NOM-019-SCFI-1993) • ISO 9341-3, 9341-8

REVOLUTION IV-FP	
Graphics chip	• Number Nine Ticket to Ride IV
Features	<ul style="list-style-type: none"> • Trilinear filtered real-time texture mapping • Gouraud shading • Per-pixel perspective correction • Support for 32-bit color and 24-bit Z • Support for double and triple buffering • Fogging effects • Accumulation buffer for special effects, including Bump Mapping, Depth-of-Field, Motion-Blur • DirectX 6.0 and OpenGL® 1.2 support
Flat panel digital output	• 36-pin OpenLDI MDR connector, LVDS (low voltage differential signaling)
Analog video output	• 15-pin D-sub for RGB video, DDC2B VESA compliant
On-board graphics memory	• 32MB SDRAM
Bus architecture	• PCI (Mac/PC) or AGP 2X (PC only)
Monitors supported	• OpenLDI-compatible flat panel monitors • Standard and multifrequency analog monitors
System requirements	• Windows 95, Windows 98, Windows NT, or Mac OS • One free PCI (Mac/PC) or AGP (PC) slot
Agency approvals	<ul style="list-style-type: none"> • FCC Part 15 Class B • CISPR22 • TUV • CE Mark • WHQL
Supported resolutions	• 640x480, 800x512 (full screen), 800x600, 1024x768, 1280x1024, 1600x1024 (full screen, digital flat panel monitor) • Up to 1920x1200 true color (crt)
APIs supported	• DirectX 5.0, DirectX 6.0, OpenGL, Heidi
Color/Z depth	• 8-, 16-, 24-, 32-bits-per-pixel RGBA, 16-, 24-bit Z buffer
Performance	<ul style="list-style-type: none"> • 2.4M triangles/sec (trilinear, Z, Gouraud, fog, lit) • 90M pixels/sec (trilinear, Z, Gouraud, fog, lit) • Winbench 98 1135 • OpenGL CDRS-03 50.3

INFORMATION				
Ordering information	<p>For more information about the Digital Flat Panel Solution Pack or to find out where to buy it, visit www.sgi.com/go/flatpanel or call 1(888) 744-7373 or 1(800) GET-NINE in the U.S.</p> <table border="0" style="width: 100%;"> <tr> <td style="vertical-align: top; width: 33%;"> <p>Silicon Graphics, Inc. Corporate Office 2011 N. Shoreline Boulevard Mountain View, CA 94043 (650) 960-1980 www.sgi.com</p> </td> <td style="vertical-align: top; width: 33%;"> <p>Number Nine Visual Technology 18 Hartwell Avenue Lexington, MA 02421 (781) 674-0009 www.nine.com</p> </td> <td style="vertical-align: top; width: 33%;"> <p>Number Nine (Europe) Inselkammerstr. 10 82008 Unterhaching b. Muenchen Germany +49 89 61 44 91-0</p> </td> </tr> </table>	<p>Silicon Graphics, Inc. Corporate Office 2011 N. Shoreline Boulevard Mountain View, CA 94043 (650) 960-1980 www.sgi.com</p>	<p>Number Nine Visual Technology 18 Hartwell Avenue Lexington, MA 02421 (781) 674-0009 www.nine.com</p>	<p>Number Nine (Europe) Inselkammerstr. 10 82008 Unterhaching b. Muenchen Germany +49 89 61 44 91-0</p>
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