

Silicon Graphics® Flat Panel Displays

Features:

Silicon Graphics® F180 Flat Panel Display

- 18.1-inch [1.3 megapixel native mode] display with 1280x1024 resolution
- Analog [VGA] and digital [DVI-I] input capability
- Broad video-card compatibility, supports PC and Macintosh® in addition to SGI® workstation and visualization system platforms
- Fine dot pitch of .28 mm for sharp image quality

Silicon Graphics® F220 Flat Panel Display

- 22-inch [1.6 megapixel native mode] display with 1600x1024 resolution
- Analog [VGA] and digital [DVI-D] input capability
- S-video and composite video input in either full-screen or PIP, which allows simultaneous VCR or DVD input while using the computer
- Fine dot pitch of .294 mm for sharp image quality
- Remote control

Common Features:

- Advanced In-Plane Switching [AIPS] technology provides higher brightness and contrast
- Built-in scaler function adjusts input resolutions to the screen size
- Convenient on-screen display provides controls for brightness, contrast, automatic screen adjustment, and other key parameters

SGI offers two high-quality flat panel displays for advanced visualization with Silicon Graphics visual workstations and visualization systems. The 18-inch Silicon Graphics® F180 flat panel display is an optimum combination of screen size, resolution, and flat panel value. The 22-inch Silicon Graphics® F220 flat panel display offers high resolution and leading-edge image quality in a 1600x1024 wide-aspect-ratio display. The elegant, state-of-the-art F220 display with attached speakers also accepts S-video and composite video input for full-screen or picture-in-picture [PIP] viewing and is delivered with a remote control for ease of use.

High-Performance Flat Panel Display

Today's high-performance graphics-based applications demand precise colors and crystal clear text, graphics, and video. Silicon Graphics F180 and Silicon Graphics F220 fulfill these requirements.

The versatile F180 and F220 displays offer built-in analog VGA and DVI digital input capability. Both displays support dual-input capability with analog VGA and DVI input connectors, allowing two computers to be connected to the display at one time. The dual-input capability on both displays provides flexibility for sharing the display between two systems without the need for a switchbox. Selecting the video input is as easy as pressing a button on the front panel. The DVI-I on the F180 accepts either digital or analog input, which allows two analog sources or one analog and one digital source to be connected to the F180. The DVI-D on the F220 supports digital input. The built-in scaler function on both displays ensures that even lower-resolution images scale to take advantage of the large screen.

Get the Most for Your Investment

Users can easily share the F180 or F220 display between different systems, which prolongs the value of their flat panel display investment. On the F180, the combination of dual input, digital and analog compatibility, and multiple-frequency technology gives users the freedom to upgrade video cards as they become available.

In addition, the energy savings of flat panel displays such as the F180 or the F220 are dramatic compared with 21-inch CRT displays. For example, with only half the power consumption and approximately a third of the cooling requirement of other displays, the F180 can pay for the incremental cost of purchasing a flat panel over a 21-inch CRT display in less than one year. The F180 flat panel display completely pays for itself in approximately four years.





F180 Technical Specifications

Image

- Viewing area size 18.1" diagonal [19" CRT equivalent], 14.1" horizontal, 11.3" vertical
- Screen size 18.1"
- Aspect ratio 5:4
- Native resolution 1280x1024, 1.3 megapixels
- Dot pitch .28 mm
- Resolution compatibility 640x350, 640x480, 720x400, 800x600, 1024x768, 1152x870, 1152x900, and 1280x1024
- Screen type Thin film transistor active matrix liquid crystal display using AIPS
- Image controls Front-mounted buttons navigate on-screen menu controls for brightness, contrast, color settings, screen position, language, input selection, and automatic screen adjustment
- Viewing angle 160 degrees
- Brightness 200 cd/m²
- Contrast ratio 300:1
- White balance Presets for 9300K and 6500K

Connectivity

- Input compatibility Analog VGA and digital DVI-I
- Horizontal scan range 30–80 KHz
- Vertical scan range 56–85 Hz
- System compatibility Silicon Graphics® O2®, Silicon Graphics® O2+™, Silicon Graphics® Octane®, and Silicon Graphics® Octane2™ visual workstations; Silicon Graphics® 750 system; Silicon Graphics® Onyx2®, SGI® Onyx® 3000 series, and SGI® Onyx® 300 visualization systems; any Windows® 98/2000/XP, Windows NT®, or Linux® system with VGA or DVI video output; Apple® Macintosh® OS 8.0 and above with VGA, DVI, or ADC [with optional ADC to DVI converter] connector

Physical and Power

- Line voltage 100–240 VAC
- Frequency 50–60 Hz, single phase
- Power 70 W, maximum operation; less than 5 W in power-saving mode
- Environmental Operating temperature range: 10°C to 35°C
Operating humidity range: 20% to 80% relative humidity, noncondensing
- Size 434 mm W x 235 mm D x 443 mm H [17.09" W x 9.25" D x 17.44" H]
- Weight 8.7 kg [19.6 lb] [without packaging]
- Mounting options Tilt +25/-5 degrees, swivel left or right 30 degrees, VESA mounting interface 75 mm four-hole standard
- Agency approvals UL, CSA, TUV-GS, SEMKO, NEMKO, DEMKO, FIMKO, FCC Class B, CE, TCO95, EPA, Korea, VCCI-2, C-TICK, CCIB

F220 Technical Specifications

Image

- Viewing area size 22" diagonal 18.5" horizontal, 11.85" vertical
- Screen size 22"
- Aspect ratio 16:10
- Native resolution 1600x1024, 1.6 megapixels
- Dot pitch .294 mm
- Resolution compatibility 640x350, 640x480, 720x400, 800x600, 832x624, 1024x768, 1152x870, 1152x900, and 1280x1024, 1600x1024, 1600x1200
- Screen type Thin film transistor active matrix liquid crystal display using AIPS
- Image controls Front-mounted buttons navigate on-screen menu controls for brightness, contrast, color settings, screen position, language, input selection, and automatic screen adjustment
- Viewing angle 130 degrees
- Brightness 180 cd/m²
- Contrast ratio 300:1
- White balance Presets for 9300K and 6500K

Connectivity

- Input compatibility Analog VGA and digital DVI-D
- Horizontal scan range 30–94 KHz
- Vertical scan range 56–85 Hz
- System compatibility Silicon Graphics Octane2, Silicon Graphics Fuel™, Silicon Graphics Onyx2, SGI Onyx 3000 series, SGI Onyx 300

Multimedia

- Composite video, S-video NTSC, PAL, SECAM
Full screen or PIP with three subscreen viewing options
- Audio Attached analog speakers
Audio support only on Silicon Graphics® Octane2 and Silicon Graphics Fuel™ visual workstations.

Physical and Power

- Line voltage 100–240 VAC
- Frequency 50–60 Hz, single phase
- Power 80 W, maximum operation; less than 8 W in power-saving mode
- Environmental Operating temperature range: 10°C to 35°C
Operating humidity range: 10% to 80% relative humidity, noncondensing
- Size 22.9" W x 2.8" D x 18.38" H [30" wide with speakers attached]
- Weight 14.8 kg [32.5 lb] [without packaging]
- Mounting options Tilt 10–30 degrees, VESA mounting interface 100 mm four-hole standard
- Agency approvals UL, CSA, TUV-GS, SEMKO, FCC Class B, CE, TCO95, EPA, Korea, VCCI-2, C-TICK, CCIB



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