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:
  - (1:1 or scaled) 1024x768, 1152x870, 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
- 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
  - 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: 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: 634 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, DEKRA, FIMKO, FCC Class B, CE, TCO5, EPA, Korea, VCCI-2, C-Tick, C-tick

### F220 Technical Specifications

**Image**
- Viewing area size: 22" diagonal
- Screen size: 22"
- Aspect ratio: 16:10
- Native resolution: 1600x1024, 1.6 megapixels
- Dot pitch: .294 mm
- Resolution compatibility:
  - (1:1 or scaled) 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
  - 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, TCO5, EPA, Korea, VCCI-2, C-Tick, C-Tick