sgi®

Silicon Graphics® Flat Panel Displays

Features:

Silicon Graphics® F181 Flat Panel Display

- 18.1-inch (1.3M pixels native mode) display offers 1280x1024 resolution
- Analog (VGA) and digital (DVI-D) providing dual input capability
- Fine dot pitch of .28 mm delivers sharp image quality
- 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

Today's high-performance, graphics-based applications demand precise colors and crystal-clear text, graphics, and video. The Silicon Graphics F181 flat panel display fulfills these requirements, perfectly complementing the Silicon Graphics suite of award-winning visualization systems. Silicon Graphics F181 is an optimum combination of screen size, resolution, and flat panel value.

High-Performance Flat Panel Display

The versatile F181 display offers built-in analog VGA and DVI digital inputs. This dual-input capability allows two computers to be connected to the display at one time, eliminating the need for a switchbox. Selecting the video input is as easy as pressing a button on the front panel. The built-in scaler function ensures that even lower-resolution images scale to take advantage of the large screen. Perfect for multi-display configurations, F181 features a narrow bezel and built-in power supply and can be easily mounted to VESA-compatible ARMs.

Get the Most for Your Investment

Users can easily share the F181 display between different systems, which prolongs the value of their flat panel display investment. In addition, the energy savings of flat panel displays such as F181 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 F181 flat panel display completely pays for itself in approximately four years.

Courtesy of Yvonne Channel

Silicon Graphics® Flat Panel Displays

Courtesy of Dr. Noor Kabani and Alan Evens,
McConnell Brain Imaging Centre, Montreal
Neurologocial Institute, McGill University

F181 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, 1.3M pixels
Dot pitch	.28 mm
Resolution compatibility	640x350, 640x480, 720x400, 800x600,
(1:1 or scaled)	1024x768, 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	350:1
White balance	Presets for 9300K and 6300K

Connectivity

Input compatibility	Analog VGA and digital DVI-D
Horizontal scan range	31–82 kHz (analog); 31-80 kHz (digital)
Vertical scan range	55–85 Hz (analog and digital)
System compatibility	Silicon Graphics Fuel™, Silicon Graphics® Tezro™, and Silicon Graphics® Octane2™ visual workstations; Silicon Graphics® Onyx2®, SGI® Onyx® 3000 series, SGI® Onyx® 350, and Silicon Graphics® Onyx4™ UltimateVision™ visualization systems

Physical and Power

Line voltage	100–240 VAC
Frequency	50–60 Hz, single phase
Power	45 W, maximum operation; less than 3 W in power-saving mode Up to 16 textures per rendering pass
Environmental	Operating temperature range: 10°C to 35°C Operating humidity range: 20% to 80% relative humidity, noncondensing
Size	398 mm W x 200 mm D x 403 mm H
Weight	7.3 kg (without packaging)
Mounting options	Tilt +30/-5 degrees, swivel left or right 70 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