Sentinel Series

Rugged Flat Panel Monitors Designed for Military Applications

Benefits

The Sentinel Series, anti-reflective and anti-glare coated 15", 19", and 21" rugged flat panel monitors, support the following video signals: VGA, SOG, NTSC, RS170, PAL, S-video, and DVI. All units allow picture-in-picture video (PAL/NTSC) display overlay on a PC background with multiple window size options.

Mechanical design and environmental advancements exceed the most demanding military and industrial specifications. Able to withstand and operate in harsh environments, the Sentinel Series monitors have been designed, tested and certified to stringent military standards for shock, vibration, EMI, and environmental.

FANUC

Computer DYNAMICS

A GE Fanuc Company

Sentinel Series Rugged, Military Flat Panel Monitor

Specifications

Dimensions (WxHxD)
- 15"   15.92" x 12.92" x 3.41"
            404.4 x 328.2 x 86.6 (mm)

- 19"   18.84" x 15.92" x 4.51"
            478.5 x 404.4 x 114.5 (mm)

- 21"   21.11" x 17.14" x 4.6"
            536.2 x 435.4 x 116.8 (mm)

Display
- 15"   1024x768 color AMTFT LCD
- 19"   1280x1024 color AMTFT LCD
- 21"   1600x1200 color AMTFT LCD

Enhancements
- Anti-glare/anti-reflective coating

Mounting
- Panel; rack (customization may be necessary on 19" and 21" for rack mount configuration)

OSD controls
- Controlled by membrane keypad on rear of unit.

Weight
- 15"   13 lbs
- 19"   20 lbs
- 21"   24 lbs

Mechanical
- Front: Black powder coated aluminum
- Rear: Yellow chromate aluminum

Power
- 18-36 VDC ground isolated; 90-264 VAC

Video signals
- VGA, SOG, and DVI-D; NTSC; RS170

MTTR
- Field replaceable power supply

Temperature
- Operating   0° to +50° C
- Storage   -25° to +60° C

Environmental
- NEMA 4X on front surface

Compliance

Shock
- MIL-S-901D, Grade A

Vibration
- MIL-STD-167-1

Humidity
- MIL-STD-801E

EMI
- MID-STD-461E

Options

Touchscreen
- Resistive

Mechanical
- Front: stainless steel
- Rear: stainless steel

About Computer Dynamics

Computer Dynamics, Inc. (CDI), a part of GE Fanuc, manufactures enclosed and open-frame flat panel display systems — both computers and monitors — for the OEM with industrial and hazardous applications.

Our broad line of flat panel display solutions includes the latest in industrial PCs, LCD displays and various touch-screen technologies. We pioneered many of the packaging and mounting techniques that make our products superior for industrial applications.

Our hazardous area products are designed to operate in conditions from outdoor extreme temperatures to controlled indoor environments. These systems offer sunlight readability, fast processor engines, and network options including wireless Ethernet. Our innovative backlighting technologies, system controls design and environmental packaging designs are highlighted in our Class I Division 1 & 2, Zone 1 & 2, and ATEX 3 computers.

Monitors are the most interactive part of any system design so we offer various sizes and enclosure options to fit nearly any application. Our flat panel monitors deliver the advantages of a flat panel operator interface with almost any video signal, including standard RGB, Synch-on-Green (SOG), Composite Synch, NTSC and PAL.

Our custom capabilities allow us to design the best, most cost-effective solutions, whether based on existing products or custom derivations of our standard platforms for specific needs. Computer Dynamics' long-term commitment to its customers is to provide cutting edge products for the lifetime of their projects.

Computer Dynamics Information Centers

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33 1 4324 6007

Additional Resources

For more information, please visit the Computer Dynamics web site at:

www.cdynamics.com