

# APP 8000



# 18.1" TFT-LCD

# COLOR MONITOR



Princeton is pleased to announce the APP800, 18.1" TFTLCD monitor. The 300:1 super high contrast ratio, true SXGA1280x1024 native resolution, dual analog inputs and USB hub work together to provide the utmost in quality and flexibility to enhance your personal computing experience. Due to its traditional analog interface, the APP800 is compatible with any graphics card requiring a standard 15-pin D-SUB connector. What's more, the APP800 is TCO '99 compliant to meet the strictest industry standard ever set for ergonomics and reduced emissions. With eye-popping character definition, color saturation and image clarity, the APP800 is the clear choice for high-level graphics, desktop publishing, CAD/CAM/CAE, Wall Street, and any environment where desktop space is limited.

#### FEATURES:

- 18.1" Active Matrix TFT-LCD Panel
- True SXGA 1280 x 1024 Maximum Resolution
- Self/Bus-Powered USB Hub
- Dual Analog Inputs
- Anti-Glare/Hard Screen Coating
- PreVu™ OSD with Coloright™ Controls
- 300:1 Super High Contrast Ratio
- Full Three-Year Limited Warranty
- Standard First-Year 48-Hour Advance Replacement Warranty\*
- TCO '99 Compliant

# PRINCETON®

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## FEATURES AND BENEFITS

### 18.1" Active Matrix TFT-LCD panel

Large viewing area means a greater amount of workspace on the computing desktop. Less scrolling with the mouse and scroll keys.

### True SXGA 1280 x 1024 maximum resolution

The higher the resolution, the greater the amount of displayable information. The APP800 displays a true 1,280 pixels horizontally, and 1,024 pixels vertically for sharp lines and clean text.

### Traditional analog interface

The APP800 features a 15-pin D-SUB connector to ensure compatibility with most graphics cards.

### Dual analog inputs

Allows for connectivity to two computers for greater flexibility (i.e., a PC and a Mac<sup>™</sup>\*\*).

### Self/bus powered USB hub

APP800 features two upstream ports and three downstream ports for easy peripheral connection.

### TCO '99 compliant

APP800 meets the strictest industry standard for user and environmental ergonomics, both during and after the manufacturing process.

### Full Three-Year Limited Warranty

Three-year warranty on parts, labor, and backlight.

### 48-hour advance replacement for first year of ownership\*

Hassle-free warranty significantly reduces downtime in the event of equipment malfunction.

## APP800 SPECIFICATIONS

<b>Panel Size/Type</b>	18.1" TFT Active Matrix LCD, anti-glare and hard (2H) coated
<b>Native/Optimum Res.</b>	1280 x 1024
<b>Pixel Dimension</b>	0.2805mm x 0.2805mm
<b>Display Colors</b>	16 million True Color
<b>Viewing Angle</b>	Horizontal: $\pm 70^\circ$ Vertical: up $\pm 70^\circ$ , down $\pm 40^\circ$
<b>Tilt and Swivel Base</b>	Tilt: $\pm 20^\circ$ , Swivel: $\pm 45^\circ$
<b>Contrast Ratio/Brightness</b>	300:1 typical/ 200 cd/m <sup>2</sup> typical
<b>Horizontal/Vertical Freq.</b>	30-80 kHz/50-85Hz (SXGA: 60-75 Hz)
<b>Response Time</b>	45ms (typical)
<b>Active Display Area (HxV)</b>	14.1" x 11.3" (359.0mm x 287.2mm)
<b>User Controls</b>	Front: Power On/Off, Power LED, OSD buttons (Menu, Select, Up, Down), Input Select, Audio Volume, Brightness PreVu <sup>™</sup> OSD: Auto Adjust, H-Size, Focus, H-Position, V-Position, Colour(7200K, User RGB), Recall, Expand Mode, Video Mode, Black Level, Language (English, German, French, Spanish), Clear, OSD Keylock
<b>Plug &amp; Play</b>	VESA <sup>®</sup> DDC1/2B
<b>Power Management</b>	VESA <sup>®</sup> DPMS <sup>™</sup> and EPA <sup>®</sup> Energy Star <sup>®</sup> compliant
<b>Power Supply (AC/DC Adapter)</b>	Input: 100-240 V <sub>AC</sub> , 1.4A-0.7A, 60/50Hz, universal. Output: 15V <sub>DC</sub> , 4A
<b>Power Consumption</b>	On: <50W; Standby: <5W; Suspend: <5W; Active Off: <5W
<b>Dimensions (W x H x D)</b>	17.6" x 17.2" x 7.8" (466mm x 436mm x 199mm) including the base
<b>Weight</b>	Net: 17.2 lb. (7.8kg) Gross: 24.4 lb. (11.1kg)
<b>Compatibility</b>	VESA <sup>®</sup> 1280 x 1024 @75/60Hz, VESA <sup>®</sup> 1024 x 768 @85/75/70/60Hz, VESA <sup>®</sup> 800 x 600 @85/75/72/60/56Hz, VESA <sup>®</sup> 640 x 480 @85/75/72/70/60Hz, Super VGA, VGA, MAC <sup>™</sup> ** 1152 x 870 @75Hz, MAC <sup>™</sup> ** 832 x 624 @75Hz, and more
<b>Input Connector/Cable</b>	Dual 15-pin D-Sub type connectors (dual analog inputs), 1.8m D-sub detachable cable
<b>Input Signal</b>	Video: 0.7 V <sub>pp</sub> /75 Ohm. Sync: Separate TTL level, Composite TTL level, Sync-on-green
<b>Agency Approval</b>	FCC-B, CSA(CUL), UL1950, DHHS, CE, TCO'99
<b>Audio</b>	Stereo 1W x 2 speakers
<b>USB</b>	Self/bus-powered hub, 2 upstream ports, 3 downstream ports
<b>Warranty</b>	3 years on parts, 3 years on backlight, 3 years on labor, 1st year 48-hour advance replacement*

## COMPARE APP800 TO THE COMPETITION

	Princeton APP800	ViewSonic VG180	IBM T85A	Compaq TFT8000	NEC LCD1810
<b>LCD Panel Size</b>	18.1	18.1	18.1	18.1	18.1
<b>LCD Panel Type</b>	Active Matrix TFT-LCD	Active Matrix TFT-LCD	Active Matrix TFT-LCD	Active Matrix TFT-LCD	Active Matrix TFT-LCD
<b>Interface</b>	Dual Analog	Dual Analog	Analog	Analog	Analog (D-SUB/BNC)
<b>Brightness</b>	200 cd/m <sup>2</sup> /(typical)	150 nits	Not Available	Not Available	200cd/m <sup>2</sup> (typical)
<b>Contrast Ratio</b>	300:1	100:1	Not Available	Not Available	150:1
<b>USB</b>	Yes	No	No	Yes	No
<b>Wall/Arm Mountable</b>	Yes	Yes	Yes	Yes	Yes
<b>Warranty (parts, backlight, labor-yrs)</b>	3,3,3	3,1,3	3,3,3	3,3,1 on-site	3,3,1
<b>Standard 1st Year 48-hour Replacement</b>	Yes	No	Yes	Yes	No

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