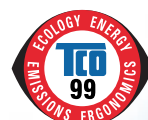# Product description

- *21-inch (20.0"VIS) color monitor with excellent front of screen performance for use with MACs, PCs or Workstations*
- *Autoscan covers horizontal frequencies up to 107 KHz offering a maximum resolution of 1920 x 1440 with flicker free display of 1600 x 1200 at up to 86 Hz*
- *Flat Square Super High Contrast CRT with high-resolution 0.25 mm dot pitch (0.21 mm hdp)*
- *Auto Calibrate extends the useful life of the monitor by automatically adjusting color and luminance to original values.*
- *XSD- XtraSpace Design™ for large screen display in a small footprint: World's shortest 21-inch monitor with maximum depth of only 467 mm/18.4"*
- *Outstanding ease of use thanks to CustoMax® monitor control software via USB*
- *TCO99, E2000, NUTEK, EPA, FCC, CE and ISO9241 certified*

Auto Calibrate

XSD — XtraSpace Design

TCO 99

Designed for
Microsoft®
Windows NT®
Windows®98

E2000

USB
UNIVERSAL SERIAL BUS

CustoMax
interactive monitor software

Plug and Play

FIRST CHOICE
(at selected countries)

energy

2000

CustoMax® control via USB   Optional USB HUB PCUH411

Let's make things better.

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Technical Specifications

CRT

• Size (inch/cm)	21"/ 51 cm
• Deflection angle (degrees)	90°
• Dot pitch	0.25 mm
• Horizontal pitch	0.21 mm
-Tube type	Shadow mask, Flat Square, Super High Contrast, Anti Glare, Anti Static, Anti reflection Light Transmission 43%
• Phosphor	P22
• Recom. display area(mm)	392 x 294 mm
• Recom. display area(inch)	15.4" x 11.6"
• Max. display area(mm)	406 x 305 mm
• Max. display area(inch)	16.0" x 12.0"

Scanning

• Horizontal scanning	30 - 107 KHz
• Vertical scanning	50 - 160 Hz

Video

• Video dot rate	261 MHz
• Input impedance	
-Video	75 Ohm
-Sync	2.2k Ohm
• Input signal levels	0.7 Vpp
• Sync input signal	Separate sync Composite sync
• Sync polarities	Positive and negative

White color temperature

Chromaticity CIE coordinates:

• at 9300 K:	x=0.283, y=0.297
• at 6500 K:	x=0.313, y=0.329
• at 5500 K:	x=0.332, y=0.347

Resolution and preset modes

• Max. resolution	1920 x 1440
• Recom. resolution	1600 x 1200
• 16 user definable modes	
• 36 factory preset modes:	

	H.freq (kHz)/ V.freq (Hz)
640 x 350	31.5K/70; 37.9K/85
640 x 480	31.5K/60; 37.9K/72; 37.5K/75; 43.3K/85; 50.6K/100
720 x 400	31.5K/70; 37.9K/85
800 x 600	37.9K/60; 48.1K/72; 46.9K/75; 53.7K/85; 63.9K/100
832 x 624	49.7K/75
1024 x 768	48.4K/60; 56.5K/70; 60.0K/75; 68.7K/85
1152 x 864	67.5K/75
1152 x 870	68.7K/75
1152 x 900	71.8K/76
1280 x 960	60.0K/60; 85.9K/85
1280 x 1024	64.0K/60; 80.0K/75; 91.1K/85
1600 x 1200	75.0K/60; 81.3K/65; 87.5K/70; 93.8K/75; 106.3K/85
1792 x 1344	83.6K/60; 106.3K/75
1856 x 1392	86.3K/60
1920 x 1440	90.0K/60

Plug and play compatibility

- Display Data Channel DDC 1/2B
- Microsoft®, Windows® 95/98/NT compatible

Power management

Complies with EPA Energy Star and NUTEK specifications

• Operation (typ.)	104 W
• Suspend/Stand By mode (typ.)	< 7 W
• Off mode/ Deep Sleep	< 2.8 W

Low-emission characteristics

- Complies with MPR-II and TCO '99 specifications

Monitor controls and functions

• Main	5-button OSD Brightness +/- direct access Contrast+/- direct access Input selection direct access
• On Screen Display	Language (English, Spanish, French, German, Italian), zoom, horizontal, vertical, pincushion, balanced, trapezoid, parallelogram, color, reset, degauss, moire, serial number, resolution, frequency Input selection Auto Calibrate
• CustoMax® via USB	Adjustments, test patterns, on screen help
• Auto Calibrate	Automatic and manual calibration of color temperature, brightness and contrast levels to original setting.

Connections and Cables

• Connections	
-Video	15-pin D-Shell/ 5BNC
-USB	upstream port
• Cables	Video, Power and USB

Regulatory approvals

- TCO '99
- MPR-II Low Emission
- TüV/GS, TüV-Ergo
- FCC-B, UL, CSA, DHHS
- SEMKO, Poland-B sign, C-Tick
- VCC-I, CE, BCIQ, PSB

Physical specifications

• Dim. incl. base (WxHxD)(mm)	482 x 478 x 467
• Dim. incl. base (WxHxD)(inch)	19.0" x 18.8" x 18.4"
• Dim. excl. base (WxHxD)(mm)	482 x 437 x 467
• Dim. excl. base (WxHxD)(inch)	19.0" x 17.2" x 18.4"
• Weight (kg)	24 kg
• Power supply	90 - 264 VAC, 50/60Hz
• Temperature (operational)	0°C to +35°C/ 32° to 95°F
• Temperature (storage)	-25°C to +65°C/ -13 to 149°F
• Relative humidity	5% to 95%
• MTBF (excl. CRT)	> 75,000 H

Other

- USB Hub option type: PCUH411

All data subject to change without notice
Release date: July 1999

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