

AX10431

Flat Panel and CRT Display Module



■ Features

- Fully compatible with IBM™ VGA
- CHIPS 65545 video chip
- Built-in 50-pin general purpose connector for flat panel display
- Up to 1MB of video RAM available
- 16-bit PC/104 interface for fast access
- Hardware Windows acceleration
- Rugged, reliable and ultra compact

■ Specifications

- **Chipset:**
Chips & Technology 65545 VGA Controller
- **On board VRAM:**
1MB FPM DRAM
- **CRT Monitor:**
Interlaced & Non-interlace
- **LCD Monitor:**
EL, STN, DSTN & TFT

Graphics Mode

- **Monochrome Panel:**
800 x 600 @ 64 Gray Scale
- **Colorful CRT:**
 - 640 x 480 Resolution
@256, 8 bits/pixel; 32K/64K, 16 bits/pixel; 16M,
24 bits/pixel Colors
 - 800 x 600 Resolution
@16, 4 bits/pixel; 256, 8 bits/pixel Colors
 - 1024 x 768 Resolution
@16, 4 bits/pixel; 8 bits/pixel Colors

- **Colorful LCD:**

- 640 x 480 Resolution
@256, 8 bits/pixel; 32K/64K, 16 bits/pixel 16M,
24 bits/pixel Colors
- 800 x 600 Resolution
@16, 4 bits-pixel; 256, 8 bits/pixel Colors
- 1024 x 768 Resolution
@16, 4 bits-pixel; 8 bits-pixel Colors

Connector

- One 50-pin Box-header for LCD Flat Panel
- One 16-pin Box-header for CRT Monitor

Extension

- 16-bit Stack Through PC/104 Interface

Form Factor

- 4-layers PC/104 Module

Power Requirements

- +5V @ 250mA (typ.) ±5%

Physical/Environmental

- **Dimension(L X W):** 95mm x 90mm
- **Weight:** 150g
- **Operating Temperature Range:**
0°C (32°F) to 55°C (131°F)
- **Relative Humidity:**
5% to 90%, non-condensing

■ Ordering Information

- **AX10431**
Flat Panel and CRT Display Module
Cable – Include: CRT Flat x 1, 50-pin TFT Flat x 1,
Stand Off + Screw x 4
Disk– Driver x3