ADAGE 2085
The Ultimate in 5080 Terminal Compatibility

The new Adage 2085 offers the most compact and highest performance IBM® 5080 Emulator in the industry in a true plug compatible form that may be connected directly to the IBM® 5088 channel unit.

COMPATIBLE. The Adage 2085 is designed to be plugged directly into the IBM® 5088 channel control unit, eliminating the need for a separate control unit for non-IBM terminals.

FAST. The Adage 2085 uses the same hardware as the Adage 2045, ensuring the same industry leading performance levels that have made it the most productive 5080 terminal on the market.

COMPACT. The Adage 2085 uses the most advanced VLSI technology available, allowing the compact electronics module to share the same footprint as the monitor, eliminating the tower enclosure common to other equipment.

RELIABLE. The Adage 2085 uses VLSI and CMOS technology to improve product quality and reliability, ensuring the maximum possible uptime.

SOFTWARE COMPATIBLE. The Adage 2085 supports CADAM®, CATIA®, CGS®, NCAD®, CAEDS®, CBDS2®, GFI/GPG®, PATRAN II® and other IBM 5080-based mainframe packages.

SUPERCHECK™ The Adage 2085 has SUPERCHECK, allowing extraneous geometry to be easily detected.

WORLDWIDE CUSTOMER SERVICE SUPPORT. The Adage 2085 is serviced by a dedicated team of experienced professionals at over 140 strategic locations worldwide. A variety of maintenance programs are available to meet customer requirements.
**ADAGE 2085 Technical Specifications**

**Display Processor**
- **Desktop Mounted:** Yes
- **Terminal Emulation:**
  - IBM 5080 M2A graphics compatible
  - 3250 graphics compatible
  - 3270 alphanumeric (multiple screen sizes)
- **Architecture:**
  - Motorola MC68010
  - Custom VLSI bit slice processor
  - Open bus architecture
- **Performance Characteristics:**
  - Pixel write time (any direction): 37.5 nsec
  - Pixel write time (horizontal): 8.5 nsec
  - Vectors drawing rate: up to 1 million vectors/sec
- **System Memory:**
  - 2 Mbytes of display list memory
  - Hardware expandable to 4 Mbytes
- **On-Screen Cursor:**
  - 6 pre-defined, 7 user-programmable hardware cursors, non-destructible
  - 64 selectable cursor colors
  - 30 Hz update rate
- **Transformations:**
  - 2D and 3D rotation, scaling, and translations performed locally
- **Clipping:**
  - X, Y, & Z clipping of data performed locally
- **Multiple Terminal Settings:**
  - Seven, user-definable, stored with system
  - Password protection available for security

**Dimensions:**
- **Height:** 6" (15.24 cm)
- **Width:** 15.62" (39.67 cm)
- **Depth:** 18.75" (47.95 cm)

**Weight:**
- 55 lbs. (24.95 Kg)

**Operating Voltage Range:**
- 90-132 VAC, 50-60 Hz
- 180-264 VAC, 50-60 Hz

**Power Consumption:**
- 3.5 amps with monitor and peripherals
- 2.0 amps with peripherals, no monitor

**Environmental:**
- Operating temperature range: 60-90°F (15-32°C)
- Humidity: 10-90%, non-condensing
- Heat Output: 1350 BTU/Hr

**Noise Level:**
- 40-45 db

**Interactive Devices**
- **Alphanumeric Keyboard:**
  - 101-key enhanced AT style keyboard with IBM PC AT interface
  - 16 programmable function keys
  - Numeric keypad
  - 2 levels of tilt
  - Tactile response for positive feedback
- **Data Tablets:**
  - 6" x 9" data tablet (standard) and 12" x 12" (optional) active areas
  - 400 lines/inch resolution
- **Program Function Keyboard:**
  - 32 lighted program function keys with five levels of tilt
- **Unique 5-Button Cursor Puck:**
  - Provides up to eight functions
- **Variable Dials:**
  - Eight optically-encoded, continuous turn dials with no "dead zones"
  - Five levels of tilt

**Display Features**
- **Screen Sizes:**
  - 16" or 19", diagonal
- **Technology:**
  - High contrast, raster scan, single in-line gun
- **Resolution:**
  - 1024 x 1024
- **Refresh Rate:**
  - 60 Hz, non-interlaced
- **Colors:**
  - Full access to 256 colors
- **Color Palette:**
  - 16.8 million colors
- **Weight:**
  - 16": ~60 lbs (27.2 Kg)
  - 19": ~80 lbs (36.3 Kg)

**Communications**
- **Supported Hosts:**
  - IBM 93XX, 43XX, 30XX mainframe and plug-compatibles
- **Connection Standards:**
  - Supports IBM 5085 Connection Standards