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,® GFIS/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.

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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″ (24.95 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

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)

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

Communications

Supported Hosts:
- IBM 93XX, 43XX, 30XX mainframe and plug-compatibles

Connection Standards:
- Supports IBM 5085 Connection Standards

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