



UA89C000 Series

Enhanced Graphics Adapter (EGA) Chip Set

Features

- 2-micron CMOS technology
- Bit-mapped graphics in four planes
- Supports IBM color graphics, monochrome adapter and enhanced graphics adapter modes
- 720x350 resolution for IBM monochrome display
- 640x200 resolution in 16 colors for IBM color graphics adapter
- 640x350 resolution in 64 colors for IBM enhanced graphics adapter
- Supports 256K bytes of memory by using 4416/4464 DRAMS
- Light pen interface
- 5-chip set solution
- 40-pin DIP package each
- Single +5V power supply
- TTL compatible

General Description

The UA89C000 series, the Enhanced Graphics Adapter chip set, is designed and fabricated through UMC's 2-micron silicon gate CMOS process. It offers a complete solution for an IBM Enhanced Graphics Adapter-compatible controller, which supports 720x350 resolution for Monochrome Display, 640x200/320x200 resolution in 16 colors for color graphics, and 640x350 resolution

in 64 colors for Enhanced Graphics Modes.

The UA89C000 series chip set consists of a UA89C000 CRT Controller, a UA89C001 Attribute Controller, a UA89C002 Graphics Controller and a UA89C003 Sequencer. The chip set is fully compatible with the original IBM Enhanced Graphics Adapter chip set and supports 256KB of memory by using either 4416 or 4464 DRAMS.

