An intelligent solution to image and graphic display problems
Higher performance + lower price = optimum systems by Aydin Controls

THE NEW AYDIN CONTROLS Model 5216 Display Computer is the intelligent solution to your graphics and image processing, display requirements. Why be locked into the limited capability "packaged terminal" approach now prevalent in the industry? The Model 5216 consists of a family of functional hardware and software modules from which you may configure a display system for stand-alone operation or for integration into your system. Simply select those modules which are consistent with your application. The Model 5216 provides multi-processing capability and multiple bus architecture for separate input/output, display processing, and display refresh functions to enhance system performance and flexibility. Whether you need a low-end alpha/graphic color terminal or a sophisticated multi-image, high resolution image processing display system (or anything in between), the Model 5216 display family is your answer.

SALIENT FEATURES
• High-performance multi-processor bus architecture • Pixel or graphic DMA block mode data transfer (800 nano-seconds per 16-bit pixel) • Multiple pixels per word • Wide selection of display formats including 512 x 512 x 64, 1024 x 1024 x 16, and up to 1024 x 512 x 16 bits per pixel at 60 Hz refresh rate • Video processing through look-up table RAM at bit rates to over 40mHz • Built-in vector and circle generation • Four sizes of alpha characters • High speed hardware math • Both parallel and serial peripheral interfaces available • User programmable.

STANDARD HARDWARE MODULES
• Processor Module (16-bit) • Processor Expansion Memory (up to 1 megabyte of PROM or RAM) • Memory Bus Controller (sync and control) • CPU I/O Module (DMA to host) • Video Modules (several types available) • Memory Modules (display formats from 256 x 256 to 1024 x 1024 x 16) • Mass Storage Controllers (floppy disk and magnetic tape) • Zoom Controller (2X, 4X, 8X and 16X) • Hardware Math Modules (including vector/circle) • Alphanumeric Channel Module (60 x 48 format, 256 unique symbols, 8 colors).

STANDARD SOFTWARE MODULES
• AYDOS Operating Systems • Software Support Modules • AYGRAPH 2D or 3D Graphics Modules • AYGRAPH Image Processing Modules • Emulation Modules.

Configure your system from the Model 5216 family of Hardware and Software Modules and prove to yourself the cost/performance advantages of AYDIN CONTROLS for your application.

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One source for all your CRT display requirements
Reader Service Number 8