

D5001 Page Printer Coprocessor

- Optimized For Intel i960® Processor Family (80960Sx, 80960Kx, 80960Jx and 80960Cx)
- Supports Up to 1200 dpi Resolutions
- Band Processing Requires Less Memory
- Provides Compression Up to 8:1
- High Speed Graphics Processor and High Speed Compression Engine
- Pipelined Processing of Graphics and C/D Increases Printer Throughput
- Can Print a Fairly Complicated Page Without Print Engine Overrun
- Supports Both PCL* 5E, PostScript II*, and Roman/Kanji
- High Speed Printing Support
- DRAM Controller Handles Up to 64 MB Memory Capacity



The D5001 is a high speed rendering processor, that with the D8905 advanced printer coprocessor, supports PCL* 5E, PostScript*, and Roman/Kanji.

Supporting the complete family of Intel's i960 processors, the innovative D5001 performs parallel processing of high speed graphics and high speed compression/decompression (C/D) functions increasing printer throughput.

By incorporating the D5001 into their printer controller design, the user is not only able to save on the total amount of DRAM needed for the design, but also on the CPU cost as the design does not require as powerful a CPU.

By supporting 1200 dpi resolution designs, a D5001 based controller is able to provide the best leading edge technology for laser printers in today's marketplace. It can be used on designs for monochrome for single or duplex printing.

The D5001 based design are more efficient than software-only designs. BitBLT operations with decompression

perform horizontal vector or line drawing, trapezium, triangle and polygon filling with pattern, as well as thin-line (single pixel thickness) drawing. The filling could also be halftone which further enhances the quality of the complex image and the printed output.

PROCESSORS SUPPORTED:
i960 Processor Family

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