



# 8207 DUAL-PORT DYNAMIC RAM CONTROLLER

- Provides All Signals Necessary to Control 16K, 64K and 256K Dynamic RAMs
- Directly Addresses and Drives up to 2 Megabytes without External Drivers
- Supports Single and Dual-Port Configurations
- Automatic RAM Initialization in All Modes
- Four Programmable Refresh Modes
- Transparent Memory Scrubbing in ECC Mode
- Fast Cycle Support for 8 MHz 80286 with 8207-16
- Slow Cycle Support for 8 MHz, 10 MHz 8086/88, 80186/188 with 8207-8, 8207-10
- Provides Signals to Directly Control the 8206 Error Detection and Correction Unit
- Supports Synchronous or Asynchronous Operation on Either Port
- 68 Lead JEDEC Type A Leadless Chip Carrier (LCC) and Pin Grid Array (PGA), Both in Ceramic.

The Intel 8207 Dual-Port Dynamic RAM Controller is a high-performance, systems-oriented, Dynamic RAM controller that is designed to easily interface 16K, 64K and 256K Dynamic RAMs to Intel and other microprocessor systems. A dual-port interface allows two different busses to independently access memory. When configured with an 8206 Error Detection and Correction Unit the 8207 supplies the necessary logic for designing large error-corrected memory arrays. This combination provides automatic memory initialization and transparent memory error scrubbing.

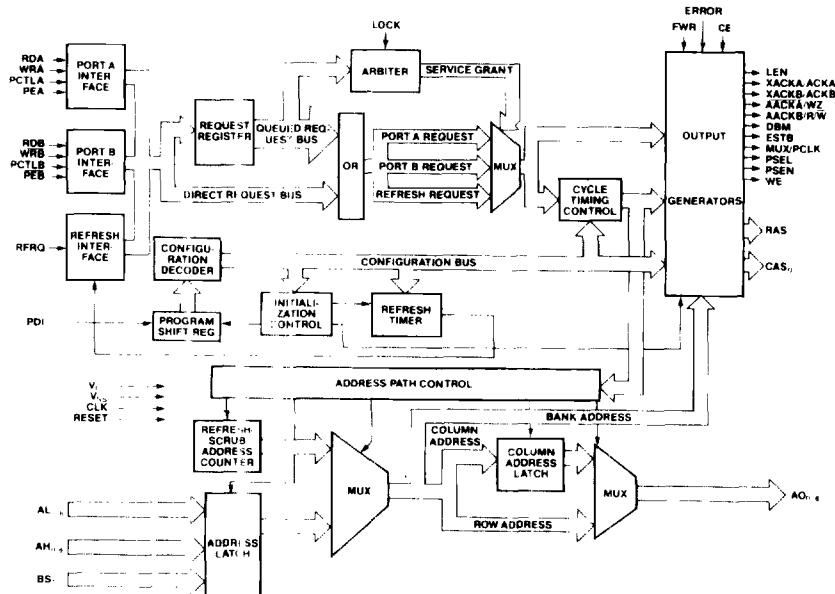


Figure 1. 8207 Block Diagram

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The complete document for this product is available on Intel's "Data-on-Demand" CD-ROM product. Contact your local Intel field sales office, Intel technical distributor, or call 1-800-548-4725.