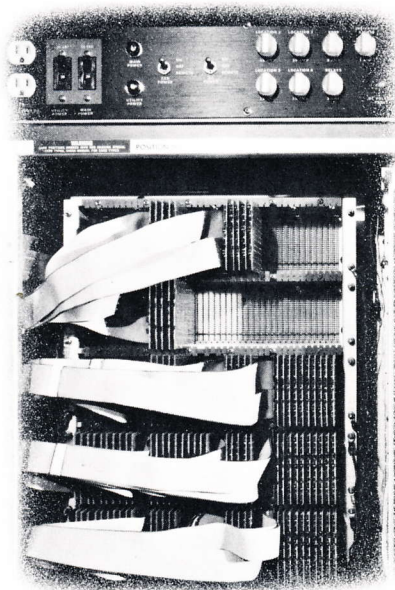


CENTRAL MEMORY ACCESS MODULE (CMA)

FAA TYPE FA-8311

- Provides multiple memory ports to a multiprocessor system for multiplexing requestors (IOPs) to memory
- CMA provides for connections for up to 12 requestors and for up to 8 memory modules (MM)
- Data saved in the event of power failure
- Time out during replace sequence to protect system from memory lockup
- Reconfiguration disabling (option).



APPLICATIONS

- Air Traffic Control Systems
- Multiprocessor Systems

FEATURES

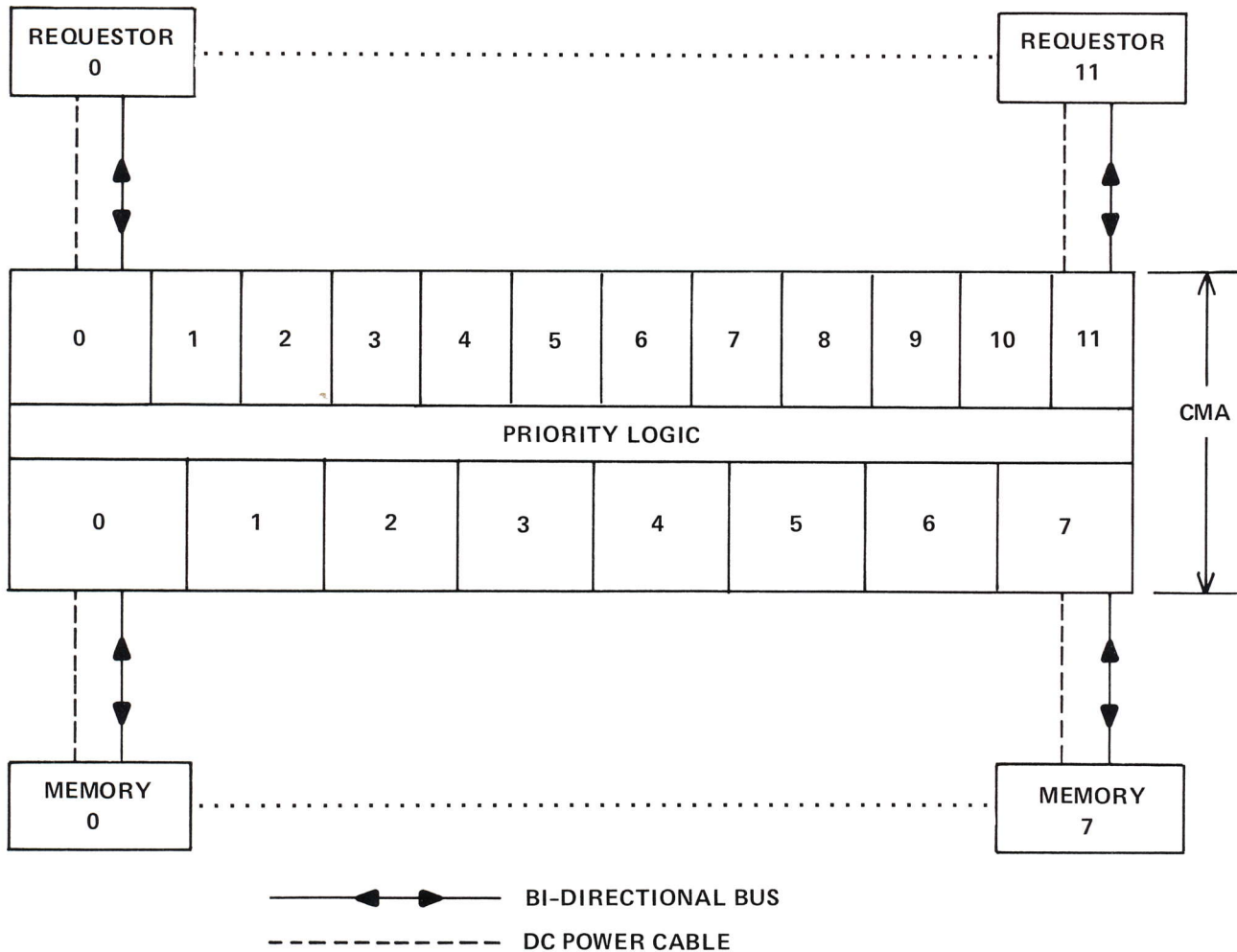
FUNCTIONAL CHARACTERISTICS

- Provides interface for up to 12 requestor ports and up to 8 memories
- 32-bit data interface on each port
- CMA is required in Input Output Processor (IOP) multiprocessor configurations whenever the number of requestors exceeds four or whenever the memory modules are located in more than three adjoining processor cabinets
- CMA is required whenever memory module (FA-8304B) is used
- Snapshot scan priority technique used on each port
- Reconfiguration lockout option allows a remote device (Reconfiguration and Fault Detection Unit, FA-8309) to individually disable

- processor/memory interface
- Modularly expandable in number of requestors and memories

PHYSICAL CHARACTERISTICS

- The CMA is designed to fit in the Processor Cabinet (PCAB) FA-8301 (one quarter of a PCAB)
- Power: DC power to CMA is supplied by memory and processor power supplies. The CMA requires no more than 4 amperes of +5 VDC from each requestor or memory
- Operating temperature: 50°F – 90°F
- Relative humidity: 20% – 90%
- Weight: approximately 50 pounds



TWELVE REQUESTOR EIGHT MEMORY CMA MODULE BLOCK DIAGRAM