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

TENGE REQUESTOR EIGHT MEMORY CMA MODULE BLOCK DIAGRAM