

# M1A1-FBCB2



Now there is an alternative to integrating FBCB2 functionality into the M1A1 Abrams tank. General Dynamics Canada is proposing to integrate the Single Board Computer (SBC) card currently used for FBCB2 in the M1A2 SEP, into the new Revised Turret Networks Box (RTNB) in the M1A1.

## Features

- Less costly
- Reduction in LRUs
- Lower power consumption
- Occupies less space
- Less cabling
- Commonality with M1A2 SEP

## Revised Turret Networks Box

- Compatible with the M1A1D

## Power Input

- MIL-STD-1275A, 18-32 Vdc, single fault tolerant
- 400 Amp distribution

## Power Control

- 30 solid state, overcurrent protected,
- MMI controlled circuit breakers

## Versa Module Eurocard Chassis

- ANSI/IEEE Std 1014-1987 4 slot conduction cooled card cage, VME 64 compatible
- 100 Watt power supply
- Embedded Diagnostics Processor

## Man Machine Interface

- 2 row X 24 Character LED display with full character graphics capability
- Built-In-Test /Vehicle Diagnostics
- Two internal SideCar™ modules
- Circuit breaker outputs monitored and status available at MMI for LRU self test failure identification
- RS-232/422 serial control port for automated shop testing

## PC6010 SBC

- 500 MHz (700 MHz optional) Pentium III Mobile Module Connector-2 (MMC-2)
- 256 MB SDRAM Memory (512 MB optional)

- Optional up to 288 MB FLASH (Diskonchip 2000)
- 2 USB ports
- Wide SCSI-2 interface
- 2 EIDE hard drive interfaces
- Ethernet (10/100 Base-T)
- LVDS display interface
- Standard VGA interface
- Sound Blaster compatible stereo audio output
- 6 serial ports, each software configurable: RS/232/422/423/485
- All standard PC I/O including: keyboard, mouse, floppy and parallel port
- Full CPCI 2.0 R2.1 compatibility
- PCI Mezzanine card (PMC) for rugged onboard expansion
- Single slot solution
- High shock and vibration immunity
- IEEE1101.2 conduction cooled

## Display

- 12.1" 800 x 600 (64K colors) AMLCD flat panel
- Sunlight Viewable
- Programmable soft and hard keys
- Touch screen



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