

# 1553 INTERFACE CARD

## DESCRIPTION:

The 1553 Interface Card provides an intelligent interface between a PC/AT (286, 386 or 486) compatible computer and the MIL-STD-1553 data bus. It can operate as a Bus Controller (BC), Remote Terminal (RT), Bus Monitor (BM) or Remote Terminal/Bus Monitor (RT/M). This allows it to be used in developing, testing and simulating the MIL-STD-1553 bus functions from a personal computer. The card is supplied with 8K, 16K, 32K or 64K of 16 bit memory. The card uses the SuMMIT from United Technologies Microelectronics Center to manage the critical functions of the MIL-STD-1553 protocol. The PC has full access and control of the SuMMIT. The SuMMIT internal registers, the full card memory (up to 64K) and the card status/control register are I/O mapped to avoid memory management conflicts. The I/O base address is switch selectable. The card provides a dual standby redundant interface to the data bus that can be configured for either transformer coupling or direct coupling. Powerful and flexible interrupts are provided with selectable interrupt level: IRQ 3-7,9-12, 14 or 15. Full featured, flexible, user friendly menu driven control software is included with the card. Test software with drivers and C source code are also included. A Windows DLL is also available.

<b>PART NUMBER:</b>	5024-8	8K Words of Memory
	5024-16	16K Words of Memory
	5024-32	32K Words of Memory
	5024-64	64K Words of Memory

## FEATURES:

- Easy to use
- MIL-STD-1553 A, B, and Notice II
- Operates as BC, RT, BM or RT/M
- I/O mapped memory: 8K, 16K, 32K or 64K words
- Flexible user friendly control software
- Flexible interrupts
- PC/AT ½ size board
- Uses SuMMIT from UTMC
- Minimal host overhead
- Switch selectable I/O base address
- Test software with drivers and C source code
- Selectable interrupt level or interrupt polling

## SPECIFICATIONS:

- Card Size: PC/AT board, 4.8" X 6.7"
- Communication Protocol: MIL-STD-1553 A or B
- Data Bus Coupling: Transformer or Direct
- Voltage: +5 V ± 5% @ 1.8 Amps Maximum
- Storage Temperature: -25° to +85° C
- Memory Word Size: 16 bits
- Data Bus: Dual Standby Redundant
- Data Bus Connectors: Trompeter BJ77
- Operating Temperature: 0° to 40° C
- Relative Humidity: 10 - 90% Noncondensing

## GENERAL INFORMATION:

Specializing in MIL-STD-1553 since 1979, Test Systems provides test equipment, training seminars and validation testing. Test equipment provides for testing and simulating 1553A/B terminals and systems. Training seminars on MIL-STD-1553 provide a comprehensive discussion of the standard and include hands-on lab sessions. Approved validation testing service tests remote terminals and components to the requirements of MIL-STD-1553.

For more information contact:

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