

## MB2614 PCI MIL-STD-1553B Interface Module

MB2614 PCI board provides with an intelligent and flexible interface between PC and MIL-STD-1553B data bus via redundant channel.

### Features:

- 1879BA1T MIL-STD-1553B interface terminal
- Redundant channel
- BC, RT, MT, simultaneous RT/MT modes
- 512K x 16-bit external SRAM
- Dual redundant channel transceiver



The board has successfully passed all tests to compliance with MIL-STD-1553B requirements at S.P.Korolev RSC Energia test house

### Specifications

- Controller:** One 1879BA1T MIL-STD-1553B interface terminal:
- Complete integrated interface between host processor and MIL-STD-1553B data bus via external transceivers;
  - BC, RT, MT, simultaneous RT/MT modes;
  - 4Kx16-bit on-chip memory, externally expanded to 64K x 16-bit

**Memory:** 512Kx16-bit external SRAM

**Design:** PCI Raw Card 5 V

**Temperature range:** +5 -- +40 °C

**Power Supply:** +5,0/3,3V  
+5,0V (250 mA), +3,3V (до 750 mA)

**Software:** Real-time application libraries  
Driver for Windows 95/98/2000/NT

**Applications:** Evaluation and testing of real-time control system software at avionics and other mission-critical applications

### Functional Diagram:

