

Specifications

Product Type	PCI 53B is a PCI interface for MIL-STD 1553B; it provides DMA, memory, embedded processor, and FPGA resources.	
FPGA & Processing Resources	Two EDT-programmable FPGAs One embedded processor (onboard)	Xilinx XC4013E and XC4010E SPARClite MB86832
Other Resources	One bus monitor One bus controller Thirty-one remote terminals (RTs) User-programmable register to select direct or transformer coupling to 1553B bus	
Memory (on Processor)	SRAM DRAM Flash ROM	0 4 MB 512 KB
Interfaces	PCI bus MIL-STD 1553B bus Serial debug	One; data rate = 80 MB/s One (dual redundant, all mode codes supported); data rate = full bus bandwidth One
PCI Compliance	PCI version Direct memory access (DMA) Number of slots	2.1 Yes One
1553B Compliance	Fully compliant	
Connectors	MIL-STD 1553B Serial debug	Two King 1994-1-9 Triax Lemo 7-pin
Cabling	Cabling is purchased separately; consult EDT for options.	
Physical	Weight Dimensions	6 oz. typical 7.0 x 4.2 x 0.5"
Environmental	Temperature Humidity	Operating 10° to 40° C Non-operating -20° to 60° C Operating 20% to 80%, non-condensing at 40° C Non-operating 95%, non-condensing at 40° C
System and Software	System must have a PCI or PCI-X bus, 33 MHz or faster. Software is included for Windows, Solaris, and Linux (and can be requested for Mac OS and VxWorks); for versions, see our website.	

Ordering Options

- Host computer type: x86 / Sun

Ask about custom options.