



EXC-1553P104/Px

General Specifications

Supports 1553A/B, F-16
Handles 4 μ sec. Intermesssage Gap (all modes)
32K bytes dual-port RAM (per channel)
Board setup modifiable in real time
Programmable Interrupts
Variable amplitude transceivers
Direct or Transformer Bus coupling
Programmable Time Tag resolution (RT & MON)
Error Injection (BC & RT)

Host Interface

PC compliance: AT, ISA, EISA BUS: 8/16
bit data bus
Memory space occupied: 32K x 8 per channel
Interrupt: IRQ 2.15
Power (/P1): +5V \pm 5% @ 2.2A

Physical Characteristics

Mechanical format: 96mm x 90mm
Weight (/P): 150 grams

Operating Environment

Temperature: 0° - 70°C
Humidity: 5% - 90% noncondensing
MTBF (/P1) 158,000 hours at 25°C, G_F

Software Support

C Drivers with source code
Merlin Windows software for Windows 9x / NT

Bus Controller

Programmable Intermesssage delay
Programmable RT Response Time Out
Programmable Frame Time
Loop and single-shot modes

Remote Terminal

Up to 32 RTs
Selectable Broadcast Mode
Programmable Mode Code Subaddress ID
Programmable Status Word
Programmable RT response time

Bus Monitor

Three operational modes: Fixed-block, Link-list,
Look-up Table
Three Storage Modes: Store All, Store Only,
Store After
Programmable Triggers and Masks
Concurrent Monitor supports sequential operation only

Ordering Information

EXC-1553P104/Px: Multi-channel 1553 Interface for PC
compatibles
EXC-1553P104/Px-E: Extended Temperature, ruggedized
model
EXC-1553P104/PMx(-E): Supports concurrent BC/RT/BM
for each channel

Note: "x" specifies the number of MIL-STD-1553 channels required

MIL-STD-1553

1-800-MIL-1553

www.MIL-1553.com