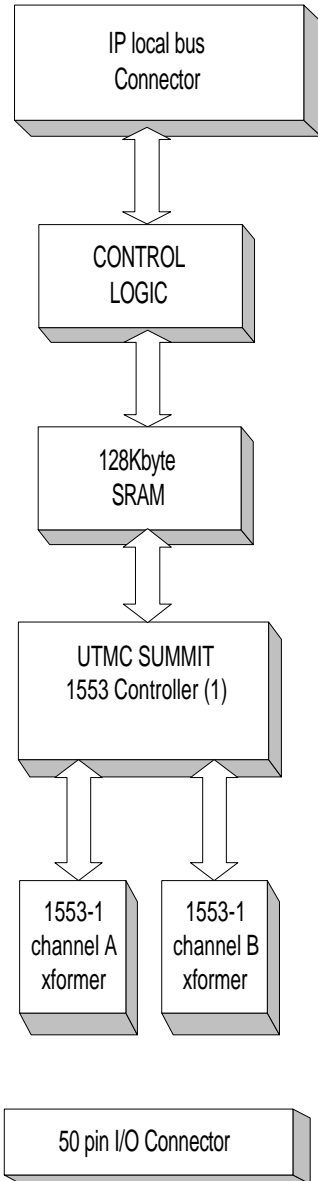


## MIL-STD-1553B Industry Pack

### UTMC SUMMIT Bus Controller, Remote Terminal, Monitor

IP-1553  
Functional Block Diagram



#### FEATURE SUMMARY

- Compliant MIL-STD-1553B
- One UTMC SUMMIT UT69151DX-GPC chip
- External 128Kbyte SRAM
- Simultaneous Remote Terminal/Monitor mode
- Full 16-bit (R/W) time-tag with user-defined resolution
- Dual redundant 1553B BC/RT/BM modes
- Low power
- 0 to +70 opt. -45 to +85
- Humidity 5 to 95 non-condensing
- On board transformers
- Jumper selectable long / short stub
- Software libraries and drivers ,VxWorks available

#### OVERVIEW

The IP-1553 board gives the MIL-STD-1553B designer a versatile solution to multiplexed 1553 data bus design requirements. In applications that require the inherent performance and reliability of 1553B communications, the IP-1553 is a cost-effective system component with unsurpassed performance. The IP-1553 board minimizes host overhead with its automatic execution of message transfers, interrupt handling, and generation of status information. In the Bus Controller mode, the IP-1553 implements a linked list message scheme to provide the system with message chaining capability. In the Remote Terminal mode, time tagging and message history functions are available. The IP-1553 also allows multiple message processing, programmable automatic message delay, and automatic polling and retry.

#### ORDERING INFORMATION

p/n:	ATC IP-1553	Mil-Std-1553 IP
	EngKit-1553	(2ea.)T's, Terminators, cables
	CBL-1553-1	2M, std-std 1553 cable
	CBL-1553-2	2M, std-mini 1553 cable
	CBL-1553-3	2M, mini-mini 1553 cable

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