

## Summary

- MIL-STD-1553
- Options:
  - 0 to +70 degrees
  - 25 to +80 degrees
  - Conformal coating
- 128 Kbyte SRAM
- BC / RT / M modes
- Separate logic for the IP interface
- Dual Redundant Channel (A) Channel (B)
- Internal external CLK
- 78 ohm X-formers
- Long / short stub
- Single 5 volt
- Low power
- Available Software
  - 'C' libs
  - Windows
  - Linux
  - VxWorks
- 8 Mhz IP clock
- Vita 4 compliant



## UTMC 1553 SUMMIT CONTROLLER BUS CONTROLLER, REMOTE TERMINAL, BUS MONITOR MODES



IP-1553

### Features

- UTMC SUMMIT
- UT69151DX-GPC
- 128Kbytes Sram
- On-chip Transceivers
- On-board Transformers
- Long stub / Short stub

### Memory

- 128 Kbyte external SRAM

### I/O

- Dual 1553 bus levels
- TTL (5v) clock

### Programmable via

- IP Bus

### IP interface

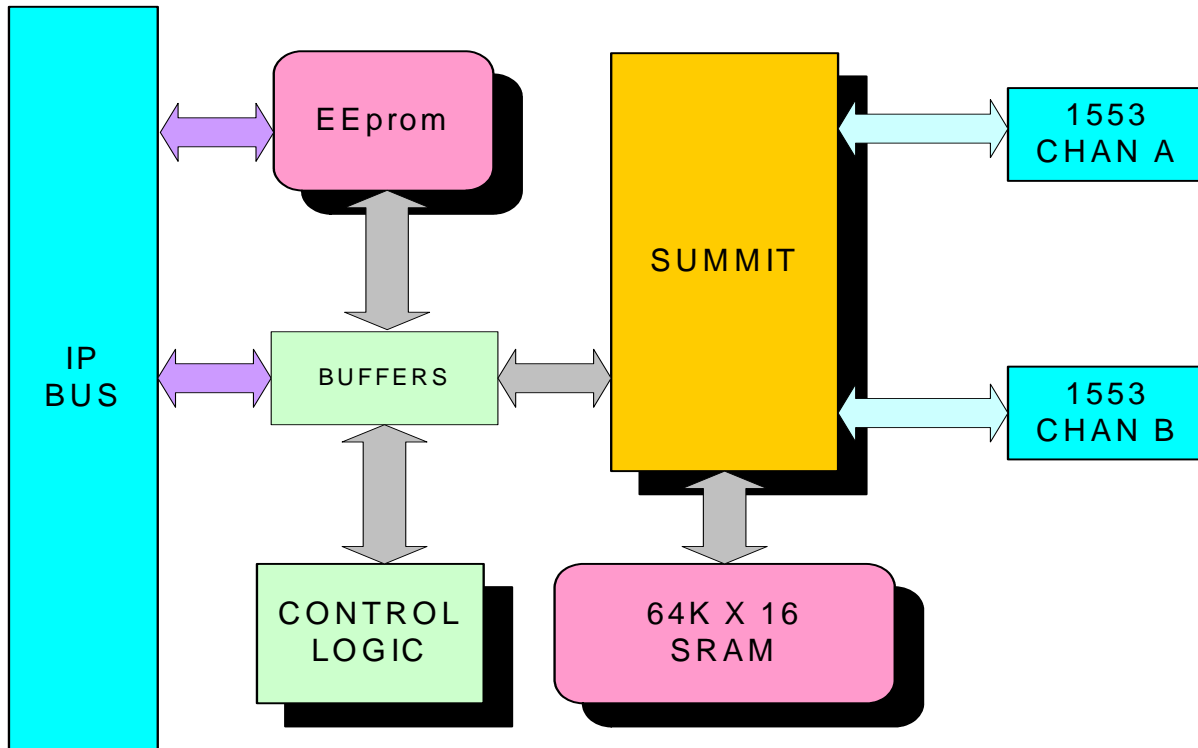
- 8/32 Mhz clock
- 16 bit address
- 16 bit data
- Interrupts
- DMA

### Operating: Environmental

- Operating temperature
  - Commercial: 0 to +55 °C
  - Optional: -25°C to +80°C
- Non-operating: -40°C to 85 °C
- Airflow requirement: .5 CFM
- Humidity: 5 to 90% (non-cond.)
- Altitude: 0 to 10'000 ft

### Mechanical: Environmental

- Size: Vita 4 Type 1 IP  
1.8" x 3.9"
- Single wide Industry Pack
- Power: 1 watt
- Vibration: 0.5G RMS  
20-2000 Hz rand
- Shock: 20 G, 11 ms, ½ sine
- Weight: tbd
- MTBF: >250000 hours



Functional Block Diagram

### Ordering Information

Part Number : IP-1553  
 Part Number : IP-1553-I

MIL-1553, BC/RT/M, UTMC SUMMIT Industry Pack module  
 same as above with -20 to +85 temperature rating

### Optional Accessories

Part Number :	EngKit-IP1553	Transition module, 2 T's, 2 Terminators, 2 1 meter cables
Part Number :	CBL-1553-1	Standard-standard 2 meter 1553 cable
Part Number :	CBL-1553-2	Standard-mini 2 meter 1553 cable
Part Number :	CBL-1553-3	Mini-mini 2 meter 1553 cable

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