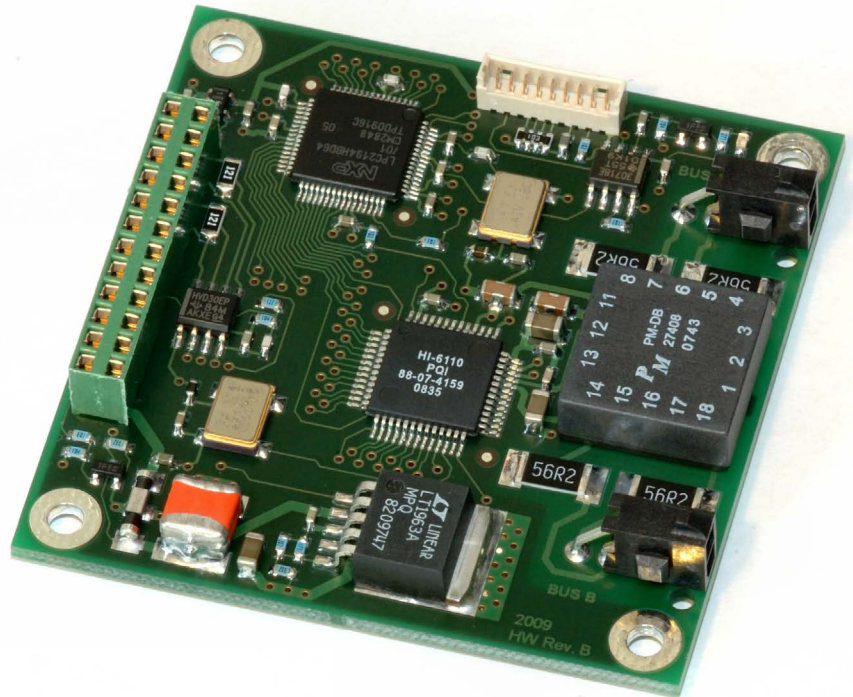


## Baytems 1553TRC MIL-STD-1553 interface card

Product Overview



- **Dual-redundant MIL-STD-1553B interface**
- **Remote Terminal (RT), Bus Controller (BC), and Bus Monitor (BM) operating modes**
- **High-speed RS-422 connection to host (up to 3,68 Mb/s)**
- **Single +5 V supply voltage**
- **Easy integration with any host system**
- **Reliable and robust design**

MIL-STD-1553 is the standard avionics bus in most modern military aircraft. It is a high performance bus supporting fully redundant wiring and the harshest of conditions.

The Baytems 1553TRC interface card allows the dual-redundant MIL-STD-1553B channel to be easily added to any system with a serial connection to provide a lightweight, small size, rugged, and reliable bus interface. The board can meet rugged levels of shock and vibration, along with a maximum temperature range of -40 — 70 °C.

The device can be configured as a remote terminal (RT), bus controller (BC), or bus monitor (BM). As a remote terminal, it supports up to 31 remote terminals, and in BC functionality schedule lists are supported, with the ability to change lists dynamically during run time. The BM model has the option to output captured bus traffic to a data logging application via serial interface.

The 1553TRC has a powerful ARM7 microcontroller, whose firmware can be customized to your application.

[baytems.com/go/1553trc](http://baytems.com/go/1553trc) 



## Technical specifications

Protocol	MIL-STD-1553B
Channels	2 (dual-redundant bus)
Bus functionality	BC / RT / BM
Host interface	High speed RS-422 (up to 3,68 Mb/s)
Operating voltage	+5 VDC, $\pm 10\%$
Power consumption	max. 3 W
Operating environment	-40 — 70 °C, RH 0 — 95 %
Component temperature	-40 — 125 °C
Dimensions W x H x D	60 x 60 x 10 mm
Weight	45 g
Warranty	1 year

## Ordering information

**S0019-A 1553TRC**

## Accessories included

None, plain PCB.

## Options

Contact our sales.

Baytems  
Hallituskatu 9 A 9  
FI-33200 Tampere  
FINLAND  
TEL: +358 40 5453786  
info@baytems.com [www.baytems.com](http://www.baytems.com)

# Baytems