

USB based MIL-STD-1553 Interface Module



Sigma-make MIL-STD-1553 Interface module is a fully indigenous, high-performance, “Made-in-India” product, with complete hardware and software support. It is a truly world-class product, with all the essential features. The product is designed and engineered to support ARINC-429 Interface and ARINC-717 Interface as additional options.

Key Features

- Based on DDC or HOLT chipset
- High-speed Host Interface – USB or Ethernet
- Individually configurable as Bus Controller (BC), Remote Terminal (RT) or Monitor (MT)
- Power – 12V DC through an external adapter
- USB B-type connector for Host PC connectivity
- BJT connectors for Bus A & Bus B for each of the three channels
- Operating temperature: 0° C to +50° C
- Optionally available in extended temperature range (-40° C to +70° C)
- Aluminum enclosure, measuring 145.6 mm (W) 34.2 mm (H) 121 mm (D)
- Software Drivers for Windows 10/11, LabVIEW, Linux
- Bus Controller (BC)
 - Streaming and Minor / Major Frame Scheduling of Message
 - High and Low Priority Asynchronous Message Insertion
 - Modification of messages or data while BC is running
- Remote Terminal (RT)
 - Up to 31 RT addresses
 - Multiple buffering techniques
 - Programmable Command Illegalisation
 - Programmable Busy by Sub-address
 - RT Autoboot Option for MIL-STD-1760
- Bus Monitor (MT)
 - Filter Based on RT Address, T/R bit, Sub-Address
 - Advanced Bit Level Error Detection to Isolate Bus Failures