

Flight Control Computers (FCC)

Flight Control Computers (FCC) systems are used to support several platform flight control systems including fixed-wing aircraft, rotary aircraft, eVTOL and rocket systems. These Modular Open Systems Approach (MOSA) systems feature different analog and digital input and a wide range of communication types including MIL-STD-1533, ARINC-429, RS-232/422/485 and CANBus A/B 2.0/CAN-FD/ARINC-825. NAI's rugged FCC systems offer a DO-178C & DO-254 Certifiable solution and are ruggedized to withstand -40° C to +71° C and qualified to MIL-STD-1275D & MIL-STD-704A with 50 ms holdup (power supply); MIL-STD-461F & MIL-STD-810G.



Features

- 2 x MIL-STD-1553 & 8 x ARINC-429 Tx/Rx (CM5)
- 8 x Programmable RS-232/422/485 Serial Channels (SC3)
- 8 x CANBus A/B 2.0/CAN-FD/ARINC-825 (CB8)
- 4 x AC Excitation References (2 x AC2)
- 4 x LVDT Measurement Channels (LD2)
- 4 x Synchro/Resolver Measurement Channels (SD2)
- 8 x ±40 VDC 100 mA Digital to Analog Channels (DA3)
- 24 x Enhanced Programmable Discrete I/O Channels (DT4)
- 16 x Enhanced Differential Discrete I/O Channels (DF1)
- 16 x ±100 VDC A/D Channels (ADF)
- 28 VDC Input PSU per VITA 62 (VPX68) with at least 50 ms holdup.
- MIL-STD-810G, MIL-STD-461F and DO-160 environmental and EMI/EMC qualifications.

[SIU32](#) - DO-178C & DO-254 Certifiable Flight Control Computer (FCC) with low power high performance

[SIU34](#) - ideally suited to support several platform flight control systems including fixed-wing aircraft, rotary aircraft, eVTOL and rocket systems.

For more information Contact TPT KK

詳細はメール (sales.t@tptech.co.jp) でのお問い合わせもしくはホームページ (<http://www.tptech.co.jp/>) をご参照ください。

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