

## Data Concentrator Units (DCU)

Data Concentrator Units (DCU) systems often serve as the "central nervous system" for most land, air and sea platforms and host the utilities functions, eliminating several boxes and hundreds of pounds of cable. These Modular Open Systems Approach (MOSA) systems feature an industry leading density of several I/O, measurement, and communication functions. These DCU's take advantage of NAI's COSA Architecture, offering 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)
- 2 x AC Excitation References (AC2)
- 4 x LVDT Measurement Channels (LD2)
- 4 x  $\pm 40$  VDC 100 mA Digital to Analog Channels (DA3)
- 8 x Variable Reluctance/Pulse Counter Measurement Channels (VR1)
- 6 x Chip Detect and Fuzz Burn Channels (CD1)
- 4 x Strain Gage Measurement (SG1)
- 24 x Enhanced Programmable Discrete I/O Channels (DT4)
- 16 x Enhanced Differential Discrete I/O Channels (DF1)
- 16 x  $\pm 100$  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.

**For more information Contact TPT KK**

詳細はメール ( [sales.t@tptech.co.jp](mailto: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.tpotech.co.jp/> ) をご参照ください。

ティー・ピー・ティー株式会社

〒110-0008 東京都台東区池之端1-6-13 ( 境会館5F)

電話 : 03-5832-7350