

## SIU33



**Board Level – 1**  
[68PPC2-2-TE1 FT2](#)



**Board Level – 2**  
[68G5-2-LD2 DA3 AC2](#)



**Board Level – 3**  
[68G5-2-CB6 AD4 DT1](#)



**Board Level – 4 PSU**  
[VPX68-3](#)



## Background

固定翼機搭載向けIMA (Integrated Modular Avionics)

## Keyword

VPX 3U、DO-178C対応の高密実装システム

AFDX、CANbus、1553および各種I/Oが提供可能

## Basic System

North Atlantic Industries - Rugged SIU33 OpenVPX

OS - VxWorks 653 3.0.1 CP2 BSP for T2080

– Path to DO-178C & DO-254 Certification

3 x 3U OpenVPX Slots

### Integrated Solution Board Level-1 68PPC2-2-TE1 FT2

SBC(NXP® QorIQ® T2080 Quad-Core e6500 Processor @1.5 GHz ) + ARINC644(AFDX) + MIL-STD-1553

### Integrated Solution Board Level-2 68G5-2-LD2 DA3 AC2

4ch LVDT/RVDT + 4ch Digital to Analog output + AC Reference Source

### Integrated Solution Board Level-3 68G5-2-CB6 AD4 DT1

CANBus + Analog to Digital module + Discrete I/O

### Integrated Solution Board Level-4 Power Supply 68-3

400-Watt DC/DC Converter

## Specifications

- Operating temp: -40 °C to +71 °C @ thermal interface, conduction cooled;

convection & air-cooled options - 28 VDC 50 ms hold-up option

- Environmental/EMI MIL-STD-461, MIL-STD-810, MIL-STD-1275 & MIL-STD-704A