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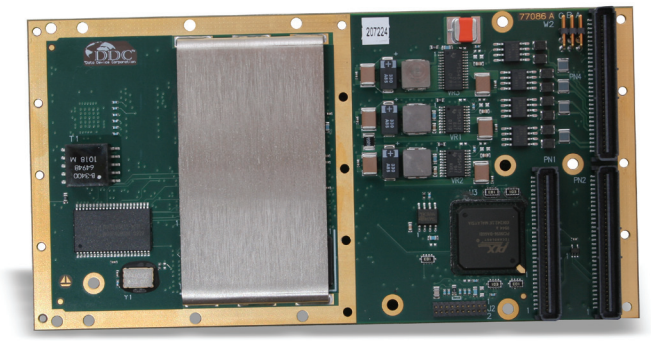
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Find the *DDC BU-65580M* at our website: *Click HERE*

EBR-1553/MMSI & MIL-STD-1553 PMC Combo Card

Product Brief

Model: BU-65580Mx



Rugged and reliable, DDC's BU-65580M embedded PMC card is engineered for rugged environments and can be used in conduction cooled or air cooled systems. The combination of one dual redundant MIL-STD-1553 channel and one channel of Enhanced Bit Rate-1553 (EBR-1553) with a 4 port hub on a single card saves space, power, weight, and cost—making this an ideal solution for systems with limited space.

Key Features

- Dual Redundant MIL-STD-1553 Channel
  - BC, RT, MT, or RT/MT Operation
  - Supports MIL-STD-1553A/B and MIL-STD-1760
  - Transformer Coupled
- Four Port EBR-1553/MMSI Hub
- 8 Digital Discrete I/O

Benefits

- Complete Hardware and Software Solution
- Rugged PMC Design for Harsh Environments
- Suitable for both Embedded and Lab Applications
- Field Proven Reliable Technology Based on Over 200 Million Hours of In-Flight Performance
- Unique I/O Mix Reduces Space, Power, Weight, and Cost
- Save Time and Reduce Cost
  - Common Test/Embedded API for Rapid Prototyping with Less Programming Time
  - Program in Minutes with BusTrACEr™ Automated Application C Code Generation

Applications

- Weapons Interfaces and Programmers
- Stores Management Systems
- Launchers
- Test Equipment
- Simulators
- Systems Integration Labs
- Ground Maintenace

For more information: www.ddc-web.com/BU-65580Mx

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Printed on recycled paper.

Overview

The card is available as a rugged PMC Card with rear I/O (Pn4) that can be used in conduction cooled or air cooled applications and can meet rugged levels of shock and vibration with an extended temperature range of -40°C to +85°C. The PMC card contains one MIL-STD-1553 channel and one 4 port EBR-1553/MMSI hub (Multi-IO) for use in systems that interface to both MIL-STD-1553 and EBR-1553/MMSI. Each MIL-STD-1553 channel can emulate a Bus Controller (BC), Remote Terminals (RT), a Bus Monitor (MT), or RT/MT modes independently.

Quick Specs

POWER DISSIPATION (75% Utilization)	MIN	TYP	MAX
BU-65580M1	-	2.9 W	-

THERMAL	MIN	TYP	MAX
Operating Temperature	-40 °C	-	+85 °C
Storage Temperature	-65 °C	-	+150 °C

Ordering Information

BU-65580M1 - 2x 0 x

- **N** = Acrylic Conformal Coating
  U = Polyurethane Conformal Coating
  (Blank) = No Conformal Coating
- **2A** = -40°C to +85°C Rugged Air-Cooled Card
  2C = -40°C to +85°C Rugged Conduction-Cooled Card
- One MIL-STD-1553 Channel with 4-Port EBR Hub PMC with Rear I/O (Pn4)

Included Software:

- 1553 C Software Development Kits (SDKs)
- WindowsXP/Vista/7/Embedded Standard support
- Linux support (contact factory for availability)

DATA DEVICE CORPORATION
REGISTERED TO:
ISO 9001:2008, AS9100C:2009-01
EN9100:2009, JIS Q9100:2009
FILE NO. 10001286 ASH09



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