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- ITAR-certified secure asset solutions

Expert team | Trust guarantee | 100% satisfaction

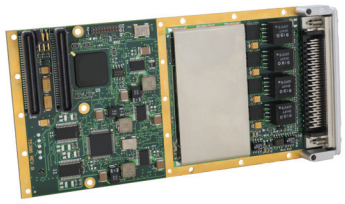
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Find the *DDC BU-67107F* at our website: *Click HERE*

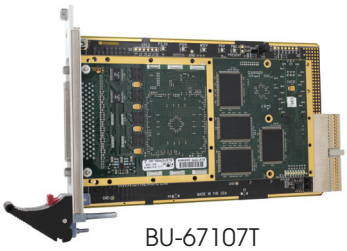
Multi-I/O MIL-STD-1553 & ARINC 429 PMC, PCI, and cPCI/PXI Cards

Product Brief

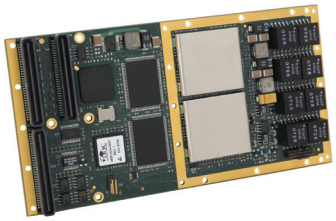
Models: BU-67107F/M/I/T



BU-67107F



BU-67107T



BU-67107M



BU-67107i

Rugged and reliable, DDC's PMC family of embedded cards are engineered for rugged environments and can be used in conduction cooled or air cooled systems. The Multi-I/O mix on a single card saves space, power, weight, and cost—making this an ideal solution for systems with limited space. The cards are also available in PCI and compact PCI/PXI form factors with a cable assembly for test applications.

Key Features

- Up to 4 Dual Redundant MIL-STD-1553 Channels
  - BC/Monitor or Multi-RT/Monitor per 1553 Channel
  - BC Disable for RT Only Applications
  - TX Inhibit for MT Only Applications
- Up to 16 Receive and 6 Transmit 429 Channels
  - High / Low Speed Operation
  - Supports Multiple ARINC Standards
  - Multiple Reception and Transmission Methods
- ARINC 429 Only Model Available
- Up to 6 Digital Discrete I/O
- Up to 2 RS-232 and 2 RS-422/485 Channels
- IRIG-B Time Code Input
- 48-bit/100ns Time Stamp
- ACEXTREME® - Next generation 1553 Core

Benefits

- Rugged PMC Design for Harsh Environments
- Available in PCI and cPCI/PXI Form Factors with Cable for Test Environment
- Field Proven Reliable Technology Based on over 62 Million Hours of In-Flight Performance
- Unique Multi-I/O Mix Reduces:
  - Space, Power, Weight, Cost
- Shorten Development Cycle and Reduce Risk with Automated Code Generation
- IRIG-106 Chapter 10 On Board Formatting
- On-Board DMA Engine for Low CPU/PCI Utilization

Applications

- Mission Computers
- Displays
- Digital Data Recorders
- Radar Systems/Situational Awareness
- Commercial Aerospace
- Systems Integration Labs
- Simulators
- Production Test Labs
- System Troubleshooting
- New Product Development

For more information: www.ddc-web.com/BU-67107FM | www.ddc-web.com/BU-67107IT

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Overview

PMC, PCI, and cPCI/PXI Cards

The BU-67107F/M/I/T series contains up to 16 Receive and 6 Transmit ARINC 429 channels that is optionally available with up to four MIL-STD-1553 channels (Multi-IO) for use in systems that interface to both 1553 and 429. The ARINC 429 model is a perfect fit for commercial aerospace applications while the multi-IO model is a perfect fit for military cargo aircraft, helicopters, and other platforms that use both 1553 and 429.

Quick Specs

POWER DISSIPATION (75% Utilization)	MIN	TYP	MAX
BU-67107M100L (2-Ch. 1553 & 6Tx/8Rx 429)	-	4.2 W	-
BU-67107M000L (4-Ch. 1553 & 4Tx/8Rx 429)	-	5.6 W	-
BU-67107M200L (6Tx/16Rx 429)	-	4.0 W	-

THERMAL		MIN	TYP	MAX
Operating Temperature	PMC	-40 °C	-	+85 °C
	PCI/cPCI/PXI	0 °C	-	+55 °C
Storage Temperature	PMC	-65 °C	-	+150 °C

Ordering Information

BU-67107FX00L-2A0X (Front I/O PMC)

N = Acrylic Conformal Coating
U = Polyurethane Conformal Coating
Blank = No Conformal Coating

2A = -40°C to +85°C Rugged Air Cooled Card

I/O Option	Number of Channels: 1553 Ch	429 Ch Rx	429 Ch Tx	RS-232 Ch	RS-422/485 Ch	Discrete I/O Ch	IRIG-B Input
0	4	8	4	2	2	6	1
1	2	8	4	2	2	6	1
2	0	16	4	0	2	6	1

BU-67107MX00L-2X0X (Rear I/O PMC)

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

I/O Option	Number of Channels: 1553 Ch	429 Ch Rx	429 Ch Tx	RS-232 Ch	RS-422/485 Ch	Discrete I/O Ch	IRIG-B Input
0	4	8	4	1	2	6	1
1	2	8	6	2	2	6	1
2	0	16	6	0	2	6	1

BU-67107XX00L-JL0 (Front I/O PCI, and cPCI/PXI*)

JL = 0°C to +55°C Non-Rugged Card

I/O Option	Number of Channels: 1553 Ch	429 Ch Rx	429 Ch Tx	RS-232 Ch	RS-422/485 Ch	Discrete I/O Ch	IRIG-B Input
0	4	8	4	2	2	6	1
1	2	8	4	2	2	6	1
2	0	16	4	0	2	6	1

I = PCI Card
T = 3U cPCI/PXI Card

*1553 cable interface included with purchase

Included Software:

- 1553 C Software Development Kit (SDK)
- WindowsXP/Vista/7, Linux, and VxWorks support

Optional Software:

BusTRACER Data Bus Analyzer and Monitor Software



- Generate or monitor live MIL-STD-1553 data without writing any code
- Saves time and reduces development costs
- Program in minutes with one-click ANSI 'C' application source code generation
- Rapid creation and setup of custom applications

Model: BU-69066S0-XX0

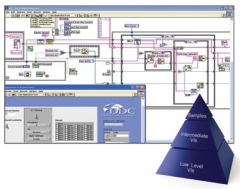
dataSIMS Avionics Data Bus Test and Analysis Software



- Accelerates development and deployment
- Eliminates cost of learning and maintaining separate software programs
- Easy-to-use and customize
- Supports all data protocols and I/O formats

Model: BU-694X4DS-64VM

LabVIEW® & LabVIEW Real-Time Support



- Simple interface for quick startup and easy programming
- Access real-time 1553/429 data using LabVIEW
- Easily integrate data from different types of instruments and sensors
- Create custom user interface from scratch or by modifying samples provided

Model: BU-69093S0-XX0

Commercial Avionics Utilities



- Graphical ARINC 429 data bus analysis and simulation
- Advanced filtering, message scheduling, and triggering
- Graphical ARINC 615 data loader to load data to and from airborne computers

Model: DD-42999S0-XX0

DATA DEVICE CORPORATION
REGISTERED TO ISO 9001:2008
REGISTERED TO AS9100:2009
FILE NO. A5976



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