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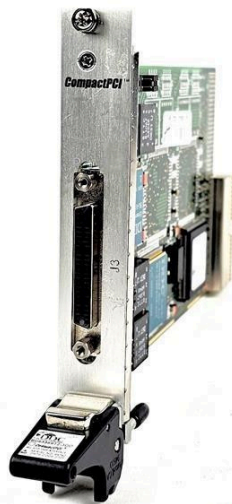
Data Sheet

August 15, 2026

DDC

DDC BU-65569T1-300 MIL-STD-1553 CompactPCI Card

DDC Embedded Test Systems. Channels: One dual redundant channel (BU-65569TX series supp.



MODEL

DDC BU-65569T1-300

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

BU-65569T1-300

LISTING

<https://aumictechlabs.com/products/bu-65569t1-300-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The DDC BU-65569T1-300 is a 32-bit/33 MHz CompactPCI card that provides dual redundant MIL-STD-1553 data bus communication for aerospace, defense, and industrial applications. Built on the Enhanced Mini-ACE architecture, this fully compliant PCI target agent operates at up to 33 MHz and supports 3.3 V or 5 V signaling, delivering independent programming of Bus Controller, Remote Terminal, Monitor, or combined RT/Monitor modes on each channel. Technical Specifications PCI Interface: 32-bit/33 MHz CompactPCI, fully compliant target agent per PCI Local Bus Specification Revision 2.2 Signaling: 3.3 V or 5 V environments supported MIL-STD-1553 Channels: One dual redundant channel (BU-65569TX series supports up to four dual redundant channels) Memory: 64K words of RAM per channel Data Bus Coupling: Transformer or direct coupled 1553 channels Power Supply: +3.3 V (logic), +5 V (RAM and transceiver) Operating Temperature: 0°C to +55°C, convection-cooled Connector: TE Connectivity/AMP 749080-1

shielded backshell kit, front panel I/O Key Features Enhanced Mini-ACE BC/RT/MT architecture with highly autonomous Bus Controller design Selectable channel configuration for each 1553 interface RT buffering options and selective message monitoring PCI interrupt support Front panel connector configuration with signal routing capability Software Support VxWorks driver Linux driver and support Windows 95/98/2000/XP and Windows NT drivers with C library DataSIMS software compatibility BusTrACEr for Windows Typical Applications Aerospace platform avionics, military vehicle integration, defense command and control systems, and industrial automation requiring MIL-STD-1553 bus backbone.

BU65569T1300 Characteristics / Specifications

PARAMETER	VALUE
Model	BU-65569T1-300
Instrument Type	MIL-STD-1553 CompactPCI interface card
Card Form Factor	CompactPCI
Dual Redundant Channels This Config	1
Family Channel Options	1 to 4
Ram Per Channel	64K words
Logic Supply Class	3.3 V
Compactpci Data Width	32 bit
Compactpci Clock	33 MHz
Picmg Certification	certified
Operating Modes	BC RT Monitor or RT/Monitor independently programmable
Protocol Engine	Enhanced Mini-ACE
Bc Architecture	highly autonomous
Rt Buffering Options	supported
Selective Message Monitor	supported
Cooling Class	convection
Io Routing Tx Class	front panel I/O
Software Drivers Family	Windows 95/98/2000/XP Windows NT Linux VxWorks
Pci Interrupts	supported
Hybrid Basis Family	Enhanced Mini-ACE
Ordering Family	BU-65569T / BU-65569B
Dual Redundant Channels Family Max	4
Logic Voltage	3.3 V
Compactpci Width	32 bit
Compactpci Speed	33 MHz

PARAMETER	VALUE
Picmg Status	certified
Bc Mode	supported
Rt Mode	supported
Monitor Mode	supported
Rt Monitor Combined Mode	supported
Autonomous Bc Architecture	supported
Pci Interrupt Support	supported
Front Panel Io Tx	supported
Windows Driver Support	supported
Linux Driver Support	supported
Vxworks Driver Support	supported
Enhanced Mini Ace Engine	supported
Convection Cooling	supported

BU65569T1300 Specifications

PARAMETER	VALUE
Applications	MIL-STD-1553 avionics simulation and embedded computing on CompactPCI backplanes requiring ACE-compatible multiprotocol terminals.
Key Features	Enhanced Mini-ACE BC/RT/MT architecture
Technical Specifications	Model: BU-65569T1-300

Full OEM specifications

Complete technical content extracted from the manufacturer datasheet. Sparse OEM tables are reconstructed as tables below; other text is preserved as paragraphs.

Specifications	
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Enhanced Mini Ace Engine	supported
Convection Cooling	supported

Notes
From DDC BU-65569T/BX CompactPCI product specifications for channel span, 64K-word RAM per channel, 32-bit/33 MHz cPCI, and Enhanced Mini-ACE feature set. Channel count follows the T1 order digit in BU-65569T1-300.

Available from Aumictech

Used and refurbished unit evaluated in-house. Calibration: Available on request. Used · In stock.

Request a quote: sales@aumictech.com · +1 (484) 841-9341

Aumictech

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Technical content from manufacturer specifications. Unit photo/stock from Aumictech listing when available. Specifications subject to OEM documentation and unit condition.