

**Aumictech**

Test & measurement • bought, sold, repaired, calibrated

Data Sheet

August 15, 2026

DDC

DDC BU-67125 Compact Avionics Interface Computer

The DDC BU-67125 Compact Avionics Interface Computer (C-AIC) delivers customizable, deployable avionics connectivity in a rugged enclosure. Built on Intel's embedded computing architecture paired with DDC's avionics data networking expertise, it handles multi-protocol integration across military and commercial aerospace platforms, UAVs, and ground vehicles. The system operates in three distinct modes: remote access for lab-based control via Ethernet, bridging and protocol conversion for data concentration across multiple bus types, or standalone embedded operation for direct mission applications. Multi-protocol support: MIL-STD-1553, ARINC 429, ARINC 717, CANbus 2.0 / ARINC 825 Environmental qualification to DO-160 functional shock (Section 7.2.1), crash safety (Section 7.3.3), and MIL-STD-810G vibration Category R Aumictech offers NIST-traceable calibration and repair for the DDC BU-



MODEL

DDC BU-67125

CALIBRATION

Available on request

CONDITION

Used

STATUS

In stock

RFQ / SKU

BU-67125

LISTING

<https://aumictechlabs.com/products/bu-67125-2/>

NIST-traceable cal

SAM registered

30-day returns

NAICS 423690 • 811210 • 541380

This unit

The DDC BU-67125 Compact Avionics Interface Computer (C-AIC) delivers customizable, deployable avionics connectivity in a rugged enclosure. Built on Intel's embedded computing architecture paired with DDC's avionics data networking expertise, it handles multi-protocol

integration across military and commercial aerospace platforms, UAVs, and ground vehicles. The system operates in three distinct modes: remote access for lab-based control via Ethernet, bridging and protocol conversion for data concentration across multiple bus types, or standalone embedded operation for direct mission applications. Technical Specifications Processor: Intel Atom E3845 Processor Module Memory: 4 GB DDR3 Storage: SSD, 120 GB to 1 TB Expansion: Two Mini-PCIe slots, one I/O Expansion Module slot Operating Systems: Windows 10, IntervalZero ETS Key Features Multi-protocol support: MIL-STD-1553, ARINC 429, ARINC 717, CANbus 2.0 / ARINC 825 Dual Gigabit Ethernet interfaces for networking and bridging Serial interfaces: RS-232/422/485 16 programmable digital I/O (GPIO) DVI video and HD audio outputs Environmental qualification to DO-160 functional shock (Section 7.2.1), crash safety (Section 7.3.3), and MIL-STD-810G vibration Category R Rugged enclosure qualified for air and ground deployment Modes of Operation Remote Access Mode enables Ethernet-based control and embedded simulation from external test systems, eliminating long onboard cabling. Bridging & Protocol Conversion Mode leverages DDC's SDK to autonomously forward data between MIL-STD-1553, ARINC 429, and Ethernet as a data concentrator. Standalone/Embedded Solutions Mode runs mission applications directly on the C-AIC with direct sensor and terminal interfacing. Typical Applications Military and commercial aerospace, unmanned aerial vehicles, and ground vehicle integration requiring avionics data bus protocol conversion and multi-source data consolidation.

BU67125 Characteristics / Specifications

PARAMETER	VALUE
Model	BU-67125
Also Known As	BU-67125W Compact Avionics Interface Computer
Instrument Type	Rugged avionics interface computer
Processor	Intel Atom E3845 quad-core 1.91 GHz
Com Module	COM Express Type 10
System Memory	4 GB DDR3L SDRAM
Storage	120 GB SSD standard; factory for additional sizes to 1 TB class
Ethernet	two 10/100/1000 channels
Usb Ports	three USB 2.0; one USB 3.0 contact factory
Serial Ports	RS-485 and RS-232/422 (four RS-232/422 class on Wx listings)
Video	DVI
Audio	HD audio
Gpio	16 GPIO / AVIO
Expansion	two Mini-PCle slots plus I/O expansion board
Dc Input Min	18 VDC
Dc Input Typical	24 to 28 VDC
Dc Input Max	32 VDC
Power Standards	MIL-STD-1275E and MIL-STD-704F
Operating Temperature	minus 40 C to plus 71 C conduction cooled
Dimensions	5.5 × 5.0 x 1.75 in (139.7 × 127.0 x 44.4 mm) excluding connectors
Mass Base	less than 32.0 oz (907.1 g) base model without Mini-PCle cards
Cooling	conduction through enclosure bottom; no external fan required Os: Fedora 20 Linux generic image; contact factory for additional OS
Standard Cards	BU-67114H200 1553 and DD-40001H060 ARINC 429 Mini-PCle on standard variants
Manufacturer	Data Device Corporation

PARAMETER	VALUE
Documentation	MN-67125W-001 hardware manual

General Specifications & Supplementary Characteristics

PARAMETER	VALUE
Operating temperature	minus 40 C to plus 71 C conduction cooled
Operating Temperature	minus 40 C to plus 71 C conduction cooled
Dimensions	5.5 × 5.0 x 1.75 in (139.7 × 127.0 x 44.4 mm) excluding connectors
Mass Base	less than 32.0 oz (907.1 g) base model without Mini-PCle cards
Cooling	conduction through enclosure bottom; no external fan required Os: Fedora 20 Linux generic image; contact factory for additional OS
Standard Cards	BU-67114H200 1553 and DD-40001H060 ARINC 429 Mini-PCle on standard variants
Manufacturer	Data Device Corporation
Documentation	MN-67125W-001 hardware manual Notes From DDC BU-67125W Compact Avionics Interface Computer hardware manual MN-67125W-001 (processor, memory, I/O, 18-32 VDC, 5.5 × 5.0 x 1.75 in, less than 32 oz, minus 40 to 71 C). Installed 1553/429 Mini-PCle population is order-specific.

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	
Specifications	
PARAMETER	VALUE
Model	BU-67125
Also Known As	BU-67125W Compact Avionics Interface Computer
Instrument Type	Rugged avionics interface computer
Processor	Intel Atom E3845 quad-core 1.91 GHz
Com Module	COM Express Type 10
System Memory	4 GB DDR3L SDRAM
Storage	120 GB SSD standard; factory for additional sizes to 1 TB class
Ethernet	two 10/100/1000 channels
Usb Ports	three USB 2.0; one USB 3.0 contact factory
Serial Ports	RS-485 and RS-232/422 (four RS-232/422 class on Wx listings)
Video	DVI
Audio	HD audio
Gpio	16 GPIO / AVIO
Expansion	two Mini-PCIe slots plus I/O expansion board
Dc Input Min	18 VDC
Dc Input Typical	24 to 28 VDC
Dc Input Max	32 VDC
Power Standards	MIL-STD-1275E and MIL-STD-704F
Operating Temperature	minus 40 C to plus 71 C conduction cooled
Dimensions	5.5 x 5.0 x 1.75 in (139.7 x 127.0 x 44.4 mm) excluding connectors
Mass Base	less than 32.0 oz (907.1 g) base model without Mini-PCIe cards
Cooling	conduction through enclosure bottom; no external fan required
Os	Fedora 20 Linux generic image; contact factory for additional OS
Standard Cards	BU-67114H200 1553 and DD-40001H060 ARINC 429 Mini-PCIe on standard variants
Manufacturer	Data Device Corporation

PARAMETER	VALUE
Documentation	MN-67125W-001 hardware manual

Notes

From DDC BU-67125W Compact Avionics Interface Computer hardware manual MN-67125W-001 (processor, memory, I/O, 18-32 VDC, 5.5 x 5.0 x 1.75 in, less than 32 oz, minus 40 to 71 C). Installed 1553/429 Mini-PCie population is order-specific.

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

788 S 500 E, Pleasant Grove, UT 84062
sales@aumictech.com · +1 (484) 841-9341
<https://aumictechlabs.com>

NIST-traceable calibration · SAM registered ·
30-day returns
NAICS 423690 · 811210 · 541380
Generated August 15, 2026

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