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Find the *DDC BU-67119W200R-JL0* at our website: *Click HERE*

AceXtreme® Bridge Device

Connectivity Power Control

Product Brief

Models: BU-6711XWX



ETHERNET
MIL-STD-1553
ARINC 429
DISCRETE
ACEXTREME®

DDC's AceXtreme Bridge Device converts messages in real time between Ethernet, MIL-STD-1553, and ARINC-429, in any direction, without a host computer.

Key Features

- Bridge Between Ethernet, MIL-STD-1553, and/or ARINC 429
- Remote Access to 429 or 1553 Data via Ethernet
- Low Power 1GHz Intel Atom Processor
- 8 GB Solid-State Drive
- IP67 Rugged D Connectors
- 28V Power (MIL-STD-704 & MIL-STD-1275)
- MIL-STD-810 Shock, Vibration, Humidity, and Altitude Testing
- MIL-STD-461 EMC
- Expansion Site Inside: Contact DDC for Other I/O
- Bridging Software API

Need a Custom Solution?
DDC can customize designs for all products, ranging from simple modifications of standard products to fully customized solutions for commercial, military, aerospace, and industrial applications.

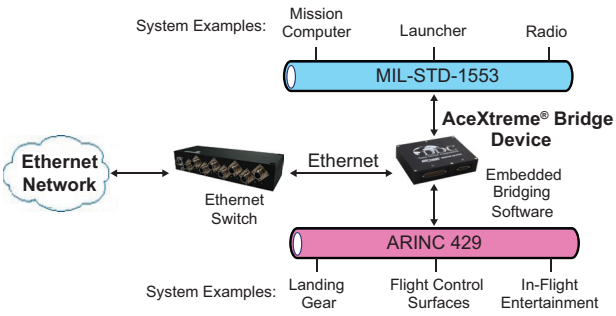
Benefits

- SWaP-C Optimized... Saves Installation Time and Cost
- No Host Computer Required
- Onboard Processor Enables Application Programming Flexibility
- Accomodates Large Data Buffering
- Compatible with 28V Aircraft and Ground Vehicle Power
- Simplifies Data Bus Cabling
- Turnkey Bridging Software

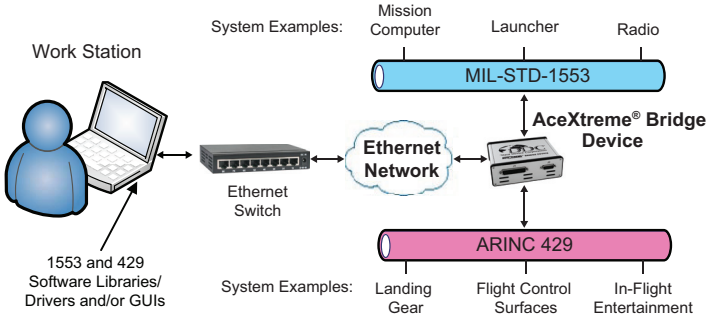
Applications

- Upgrade & Retrofit
- Protocol Conversion
- Mission Computers
- Displays
- Test & Systems Integration
- Situational Awareness
- Simulators
- Data Loading
- Data Monitoring

Protocol Conversion Mode



Remote Access Mode



For more information: www.ddc-web.com/BU-6711XWX

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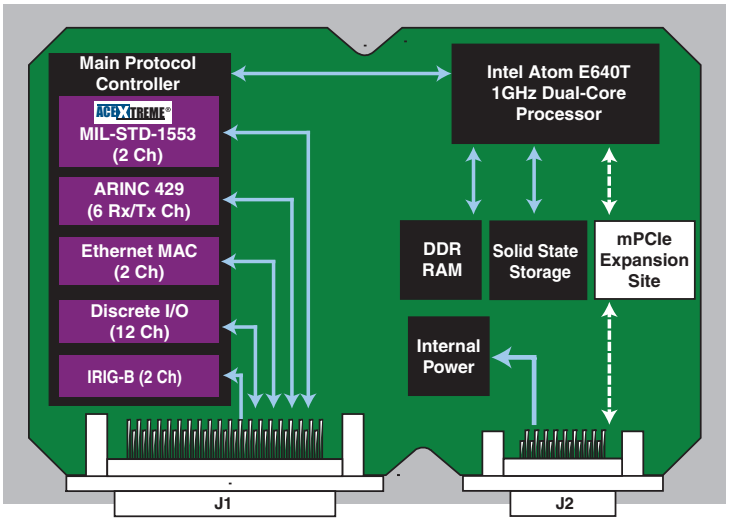
Overview

The AceXtreme® Bridge Device supports two operating modes, protocol conversion and remote access.

In **protocol conversion mode**, convert data between any of the supported protocol interfaces in real-time without a host computer. The device can be programmed to be a stand-alone protocol converter.

In **remote access mode**, a host computer will communicate with the device over Ethernet and can remotely access data from the 429 and/or 1553 databus. Software written to the DDC API is ran on the host computer and the Ethernet is used as a backplane. Users can access 1553 and 429 connections from any remote location accessible over an Ethernet network.

Block Diagram



Ordering Information

		Model Number	Channels: Ethernet	Channels: 1553	Channels: 429	Op. Temp.: -40°C to +71°C	Op. Temp.: -40°C to +85°C	Op. Temp.: 0°C to +55°C	RoHS	Size/Weight
Rugged		BU-67115W000L-CC0	2	0	6	✓				6.92 in x 5.05 in x 1.49 in (176 mm x 128 mm x 37.8 mm) 35.3 oz. (1000 g)
		BU-67115W100L-CC0	2	1	0	✓				
		BU-67115W200L-CC0	2	2	0	✓				
		BU-67115W300L-CC0	2	2	6	✓				
Board		BU-67116W000L-2C0	2	0	6		✓			6.31 in x 4.20 in x 1.15 in (160 mm x 107 mm x 29.2 mm) 17.64 oz. (500 g)
		BU-67116W100L-2C0	2	1	0		✓			
		BU-67116W200L-2C0	2	2	0		✓			
		BU-67116W300L-2C0	2	2	6		✓			
Lab		BU-67119W000R-JL0	2	0	6			✓	✓	6.67 in x 5.28 in x 2.19 in (169.4 mm x 134.1 mm x 55.6 mm) 26.0 oz. (737 g)
		BU-67119W100R-JL0	2	1	0			✓	✓	
		BU-67119W200R-JL0	2	2	0			✓	✓	
		BU-67119W300R-JL0	2	2	6			✓	✓	

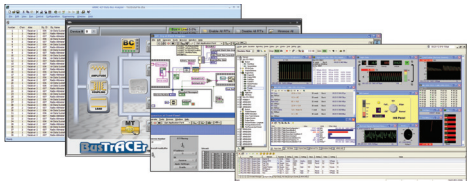
Accessories:

Cable Assemblies*: I/O Cable: DDC-78053-1;
Power Cable: DDC-78055-1;
Power Supply: DDC-78164-1

*Included with the BU-67119
Optional with the BU-67115 & BU-67116

Note: All Versions of the BU-6711XWX come with 12 Discrete I/Os

Optional Software:



PROTOCOL ANALYZERS

BusTrACEr®
Data Bus Analyzer & Monitor
Model: BU-69066S0-XX0

Commercial Avionics Utilities
Data Bus Analyzer & 615 Data Loader
Model: DD-42999S0-XX0

SYSTEM LEVEL SOLUTIONS

dataSIMS
Avionics Data Bus Test & Analysis
Model: BU-694X4DS-64VM

LabVIEW® & LabWindows® Support
Model: BU-69093S0-XX0

DATA DEVICE CORPORATION
REGISTERED TO:
ISO 9001:2008, AS9100C:2009-01
EN9100:2009, JIS Q9100:2009
FILE NO. 10001296 ASH09



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