

EHS-BTM

STANAG 7221 Bus Transaction Monitor



EDGEWATER
COMPUTER SYSTEMS, INC

Overview

The EHS-BTM STANAG 7221 Bus Transaction Monitor Test System provides a comprehensive communications analysis environment for a STANAG 7221 data network. Operating unobtrusively on the STANAG 7221 data bus, the EHS-BTM records the information exchanged between STANAG 7221-enabled terminals allowing for post-capture analysis of protocol transactions.

The EHS-BTM is comprised of an EHS-BTM-L Network Interface Card housed in a Host Computer. The Host Computer is connected to a STANAG 7221 network and coordinates the operation of the EHS-BTM-L and the EHS-BTM-L Software.

The EHS-BTM Analyzer, a software package running on the Host Computer acquires telemetry from the STANAG 7221 network under surveillance. This data, accumulated by the EHS-BTM Recorder, can be analysed using the EHS-BTM Browser. The EHS-BTM Analyser is written in TCL, a flexible scripting language allowing for application specific modifications. If you wish to pursue modifications to the EHS-BTM Analyser, please contact Edgewater Computer Systems, Inc.

Components

The EHS-BTM STANAG 7221 Bus Transaction Monitor Test System includes:

EHS-BTM STANAG 7221 Bus Transaction Monitor

- Linux PC running an EHS-BTM-L PCI Mezzanine Card
- Power Cable
- PC to MIL-STD-1553B Bus Breakout Cable

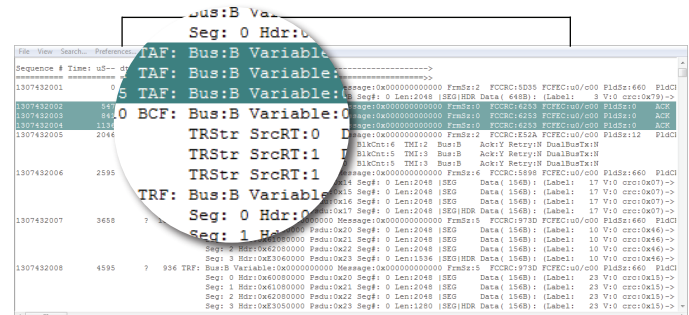
EHS-BTM Analyzer Software

- EHS-BTM Recorder
- EHS-BTM Browser

EHS-BTM Analyzer User Manual

Bus Command Frame

Command 0	Command 1	Command 2
4 Packets Transferred	4 Packets Transferred	4 Packets Transferred
Data Acknowledged	Data Acknowledged	Data Acknowledged



Edgewater EHS-BTM Browser

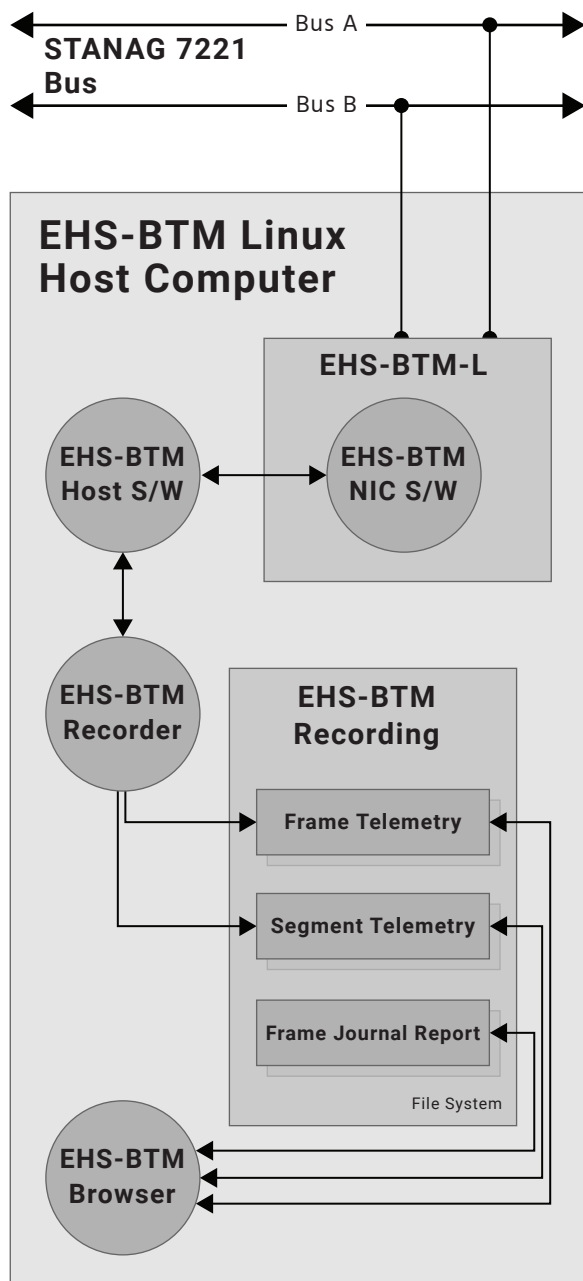
ORDERING INFORMATION

Part Number: EHS-BTM
Email: sales@edgewater.ca
Phone: +1 613 271 1101 x3074
Available: Now



October 2018
Revision 1.2

EHS-BTM COMPONENT DIAGRAM



STANAG 7221

Promulgated by the NATO Standardization Organization in May 2015, STANAG 7221 enables the rapid and incremental integration of robust and deterministic data-centric capabilities demanded by today's military operators while delivering those capabilities at a fraction of the cost compared with conventional approaches.

STANAG 7221 defines a broadband, real-time data bus standard for transmitting waveforms along with a series of appendices describing various physical media interfaces. Edgewater's 7221 family of network interface devices support STANAG 7221 Appendix 1, which defines interoperability on a STANAG 3838/MIL-STD-1553B data bus to deliver 100 times more data capacity while operating concurrently with existing STANAG 3838/MIL-STD-1553B signaling.

Engineering Consulting

Edgewater's highly skilled engineering staff has extensive experience meeting the demands of major military organizations such as the United States Air Force and the Canadian Department of National Defence. For product support or to discuss the implementation of STANAG 7221 in a custom application, please contact us.

Edgewater Computer Systems, Inc.

50 Hines Road, Suite 200
Ottawa, ON K2K 2M5
Canada
Telephone: +1 613 271 1101 x3074
Email: info@edgewater.ca



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Part Number:	EHS-BTM
Email:	sales@edgewater.ca
Phone:	+1 613 271 1101 x3074
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