Spirent **Automotive AVB Conformance**

Ready-to-use Test Suite Pack based on TTworkbench

Included Test Suites

- TTsuite-AVB-AS
- TTsuite-AVB-FQTSS
- TTsuite-AVB-1722
- TTsuite-AVB-Startup
- TTsuite-AVB-Diagnostic
- TTsuite-AVB-Exceptions

*Supported Ethernet Media Types

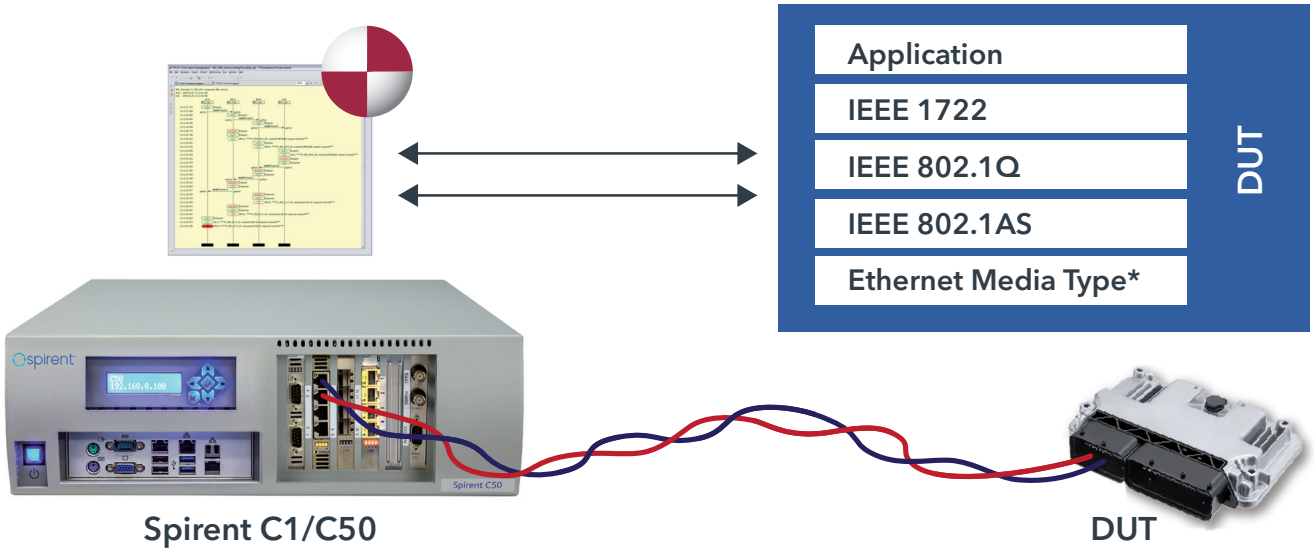
- 100BASE-T1, 1000BASE-T1 (BroadR-Reach)

The Automotive AVB Conformance Test Suite Pack is an Avnu Alliance accredited test solution. It consists of different protocol conformance test suites for the Avnu Automotive AVB Profile running on Spirent C1 and C50 devices supporting multiple Ethernet media types*.

All test suites are prepared for full test automation and include frameworks for individual adaptation. Users are able to customize test scenarios, for instance to modify or exclude test stub activities, or to add negative testing, etc.

References

- IEEE 802.1AS-2011 IEEE Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks
- IEEE 802.1Q-2014 IEEE Standard for Local and metropolitan area networks--Bridges and Bridged Networks
- IEEE 1722-2016 IEEE Standard for a Transport Protocol for Time-Sensitive Applications in Bridged Local Area Networks
- IEEE 1722.1-2013 IEEE Standard for Device Discovery, Connection Management, and Control Protocol for IEEE 1722 Based Devices
- Avnu Automotive Ethernet AVB Functional and Interoperability Specification, Revision 1.4 12 May 2015



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About Spirent Communications

Spirent Communications (LSE: SPT) is a global leader with deep expertise and decades of experience in testing, assurance, analytics and security, serving developers, service providers, and enterprise networks.

We help bring clarity to increasingly complex technological and business challenges.

Spirent's customers have made a promise to their customers to deliver superior performance. Spirent assures that those promises are fulfilled.

For more information, visit: www.spirent.com

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Avnu Test Plans

- Automotive gPTP: Test plan for Automotive Generalized Precision Time Protocol. Version 0.2.0 - Last updated: September 7, 2015
- Automotive Bridge FQTSS and SR Classes: Endstation test plan for Automotive Media Formats and SR Classes. Version 0.1.1 - Last updated: March 17, 2016
- Automotive EndStation Media Formats and SR Classes: Bridge test plan for Automotive SR Classes and Forwarding and Queuing Enhancements for Time-Sensitive Streams. Version 0.1.1 - Last updated: April 28, 2016
- Automotive Exception Handling: Test plan for Automotive Diagnostic Counters. Version 0.1.2 - Last updated: August 18, 2015
- Automotive Diagnostic Counters: Test plan for Automotive Exception Handling. Version 0.1.0 - Last updated: September 17, 2015
- Automotive Network Startup: Test plan for Automotive Network & Device Startup. Version 0.1.3 - Last updated: August 22, 2015

Requirements

- Spirent C1/C50 with any of NIC-33, NIC-43 or NIC-65 cards

Ordering Information

Part Number	Description
TEC-SUITE-AVBA	AVNU AUTOMOTIVE ETHERNET AVB CONFORMANCE TEST SUITE
TEC-SUITE-AVBA-BRIDGE	AVNU AUTOMOTIVE AVB TEST SUITES BUNDLE FOR BRIDGES
TEC-SUITE-AVBA-ENDSTATION	AVNU AUTOMOTIVE AVB TEST SUITES BUNDLE FOR END STATIONS
TEC-SVC-1015-TS-1Y	TTSUITE SUPPORT AND MAINTENANCE 1YR
TEC-TT-WP	TTWORKBENCH PROFESSIONAL
TEC-SVC-1015-WB-1Y	TTWORKBENCH SUPPORT AND MAINTENANCE 1YR

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