Automotive AVB Conformance

Ready-to-use Test Suite Pack based on TTworkbench

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 VIAVI M1 automotive appliance 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

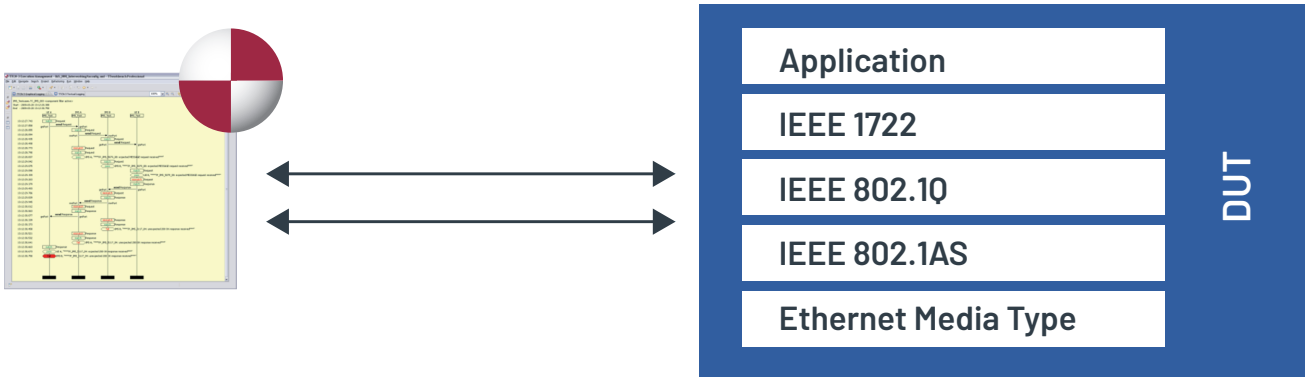
- IEEE 802.1AS-2011 IEEE Standard for Local and Metropolitan Area Networks - Timing and Synchronization for Time-Sensitive Applications in Bridged Local Area Networks
- IEEE 802.1Q-2014 IEEE Standard for Local and metropolitan area networks—Bridges and Bridged Networks
- IEEE 1722-2016 IEEE Standard 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

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)



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 and Device Startup. Version 0.1.3 - Last updated: August 22, 2015

Requirements

VIAVI M1 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 1 yr
TEC-TT-WP	TTWorkbench Professional
TEC-SVC-1015-WB-1Y	TTworkbench Support And Maintenance 1 yr

Accredited by AVNU™

VIAVI

Contact Us: +1 844 GO VIAVI | (+1 844 468 4284). To reach the VIAVI office nearest you, visit viavisolutions.com/contact

© 2026 VIAVI Solutions Inc. Product specifications and descriptions in this document are subject to change without notice. Patented as described at viavisolutions.com/patents

automotive-avbconform-ds-hse-nse-ae
30194841 900 0126

viavisolutions.com