

Spirent Automotive ComTT

Overview

Test challenges of today's automotive engineering are not limited to specific technologies. Within modern vehicles, all kinds of communication paths are used, like Automotive Ethernet, CAN/CAN-FD or LIN, just to name a few.

It is not only the case that interfaces and communication protocols are combined, there is also the translation from one protocol to the other (Gateway function) happening in many Electronic Control Units (ECUs).

Spirent's Automotive ComTT solution is a universal test platform for in-vehicle communication simulation and testing. It combines different physical layer technologies on the hardware side with industry-proven software tools for full simulation and emulation of in-vehicle network communication. That way, users can perform multiple test methodologies like switch/network performance testing, protocol conformance testing, functional application testing and data logging and analysis.

Spirent Automotive ComTT can be used as a stand-alone solution (with connected display, keyboard and mouse). However, it can also be controlled remotely via Laptop, PC or virtual environments (free client software available).

Hardware Features

- Test ports
 - 4x 10/100/1000 Mbit/s SFP based Ethernet ports
 - 16x CAN-FD
 - 1x Single-Wire CAN
 - 1x Fault-Tolerance CAN
 - 2x LIN
- Management & power
 - 5 USB ports
 - 1 Ethernet port
 - 1 Display port
 - Power input 6–36 VDC 12 VDC nominal
 - Storage 250GB SSDs

Benefits

- Test framework compatible to Windows & Linux
- Out-of-the box test execution
- Implemented, using standardized test language
- Easy to add or modify test case
- Fast logging in different formats

Software Features

- Test platform
 - Spirent Test Center Virtual
 - TTworkbench Express
- Optional
 - OPEN SIG TC8 Package
 - AUTOSAR Package
 - Switch/Network benchmarking (RFC2544 & RFC2889)
 - ECU functional testing, data logging & analysis

Key Ethernet Test Types

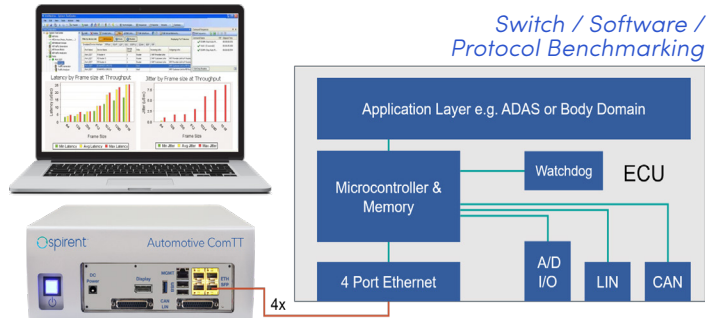
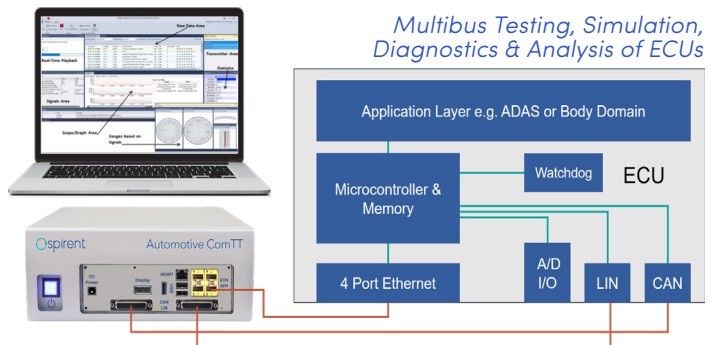
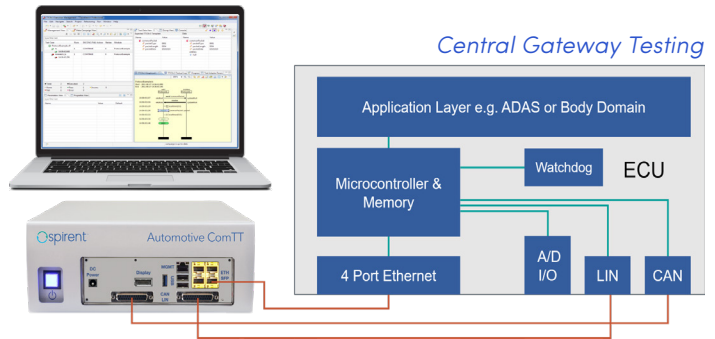
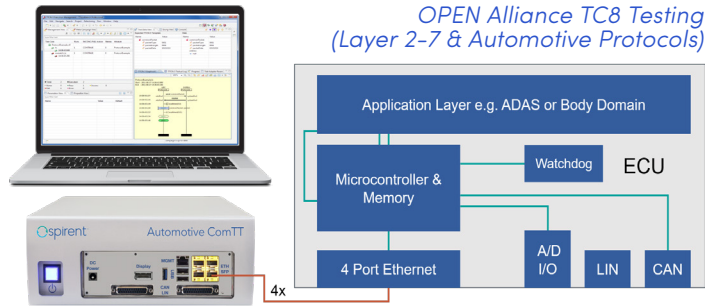
- Conformance testing
- Negative testing
- Performance testing



About Spirent

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



Ordering Information

Product Number	Description
AUTO-HW-COMTT-01	AUTOMOTIVE COMTT unit 4ETH + 16CANFD2LIN. Automotive ComTT base hardware with 4port SFP Ethernet, 16 CANFD and 2 LIN channels, excluding any SFP or SW
AUTO-ACC-COMTT-01	Cable accessory kit for automotive ComTT unit
AUTO-ACC-COMTT-02	Heavy Duty Transit Case for ComTT appliance
AUTO-ACC-COMTT-03	4X DB9 adapter for CAN ComTT accessory, including 120 Ohm End resistor