Aukua MGA2510

Automotive Ethernet

IEEE 100/1000BASE-T1, 2.5G/5G/10GBASE-T1 and 1000BASE-RH

Network Impairment Emulator

Inline Packet Capture and Protocol Analyzer

Traffic Generator and Analyzer

**Aukua MGA2510
All-In-One Automotive Ethernet Test System**

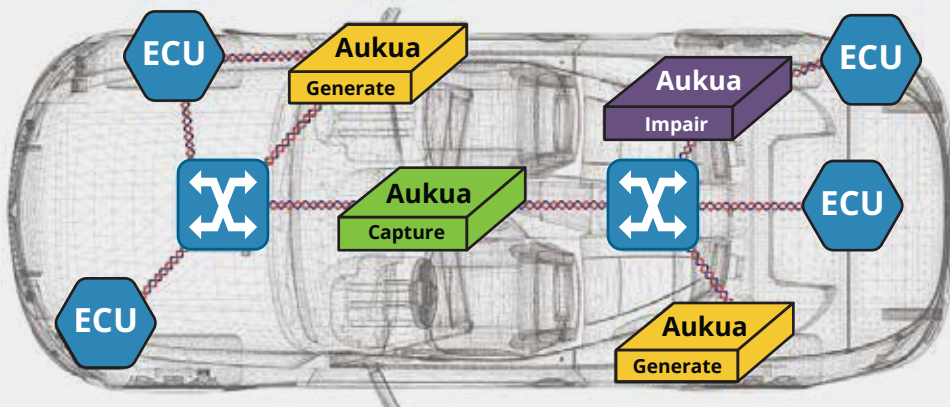# APPLICATION HIGHLIGHTS

TRAFFIC GENERATION

- Bit error rate testing (BERT) for integrity validation
- Latency characterization of automotive devices, components, and applications
- Throughput performance testing
- Functional testing
- Media conversion: BASE-T <--> BASE-T1

PACKET CAPTURE / PROTOCOL ANALYSIS

- Layer 1 and Layer 2 visibility with PCS and MAC layer capture (at line rate)
- Layer 1 - Layer 7 protocol filters and triggers
- Latency monitoring of automotive application traffic flows
- Event timing correlation and analysis
- Real-time stats and graphical analysis
- Media conversion: BASE-T <--> BASE-T1

DELAY / IMPAIRMENT EMULATION

- Inject delay and impairments inline
- Real-world performance validation
- Negative and functional testing
- Reproduce production environments for more effective troubleshooting
- Media conversion: BASE-T <--> BASE-T1

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