GOPALAM EMBEDDED SYSTEMS

www.embeddedsingapore.com

LEADING ONE STOP PROVIDER FOR EMBEDDED SYSTEMS

GES AUTOMOTIVE PRODUCT PORTFOLIO

GES's synergetic Automotive Product Portfolio holistically supports design, development and debugging of High Performing Mission and Safety Critical Automotive Solutions.

Multicore Development Qualification ToolKits
Functional Safety Driver Monitoring Static Code Analysis
Model Based Development Tools EV Test Solutions SafeTPack
AUTOSAR **AUTOMOTIVE** Safety RTOS
LV 123, LV 124, LV 148
HYPERVISOR **SOLUTIONS** CAN/CAN-FD
Automotive Electrical Test Solutions JTAG Debuggers
High Speed Data Acquisition MCAL ISO 26262 ADAS
Automotive Ethernet TESTING (MIL, SIL, PIL, HIL)
High Performance Power Supplies Automotive Stacks

AUKUA SYSTEMS · Acute PC-based T&M Instruments · AMETEK PROGRAMMABLE POWER · ALTAIR · BlackBerry | QNX · CODESECURE · Gantner instruments

HIGHTEC · MES MODEL ENGINEERING SOLUTIONS · Monsoon Solutions Inc. · PEAK System · Quarch Technology · RFcreations ...a different perspective

SEGGER · SYNOPSYS · technica engineering · verifysoft TECHNOLOGY

HIGHTEC
german engineering

Multi-Core Multi-Architecture

COMPILER
BUILD TOOL

PXROS-HR
REAL-TIME OS

QKIT
TOOL QUALIFICATION

B2B
CONSULTING & SUPPORT

TÜV NORD
TÜV NORD Systems GmbH & Co.KG
Safety Approved
Safety Element out of Context
PXROS-HR Microkernel 7.3.0
Qualified up to
IEC 61508: 2010 SIL3
ISO 26262: 2018 ASIL D
SEBS-A.094824/16

- **Automotive Development Platform**
  - AURIX TC4xx, TC3xx, AURIX TC2xx and TriCore TC1xx Variants, **C compilers for HSM , Compilers for GTM/MCS, Assembler for GTM**
  - NXP S32Z and S32E Processor Families
  - STMicroelectronics SPC56x, SPC57x, SPC58xPower Architecture
  - NXP Qorivva MPC56xx, MPC57xx, MPC58xx
- **Compiler ASIL D Qualified**
  - Toolkit Qualification ISO26262 ASIL D,IEC 61508 SIL4,EN 50128 SIL4
- **PXROS-HR SIL-3 Certified Micro Kernel RTOS**
- **Advanced Multi-Core C/C++ Compiler with Multi-Architecture Support**
- **Industry Shortest (Compile-Link) Build Times**
- **Commercial standard and math libraries (no open source, no viral GPL implication)**
- **Preferred Design House by Infineon & Preferred Compiler Partner by STMicroelectronics**
  - Infineon and ST AUTOSAR MCAL
  - Infineon SafeTLib for AURIX and SafeTPack for AURIX 2G
- **3rd Party Debugger Support (Lauterbach Trace32)**

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SEGGER

It simply works!

Embedded development tools by SEGGER

Debug & Trace probes

Software Tools

RTOS

File system

Compression

IP

Firmware updates

USB

Encryption

Authentication

User interface

Embedded Software

Production Tools

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BlackBerry | QNX

FOUNDATIONAL SOFTWARE SOLUTIONS FOR THE MODERN VEHICLE

BlackBerry QNX eases the challenges of building ISO 26262 compliant automotive systems through its solutions

BLACKBERRY QNX

FUNCTIONAL SAFETY SOLUTIONS

OPERATING SYSTEM	VEHICLE INSTRUMENT CLUSTERS	ADVANCED DRIVER ASSISTANCE	HYPERVISOR	SYSTEM SAFETY DETECTION
Provides a reliable RTOS foundation that is pre-certified to the highest level of ISO 26262 - ASIL D	Delivers an ISO 26262 ASIL B pre-certified graphics solution	Provides a foundation on which to build safe and reliable autonomous driving software	Isolates safety-critical systems from non-safety critical systemas	A fault tolerant technique to address hardware and software errors in safety-critical systems

BlackBerry QNX's safety solutions mitigate risk of non-compliance and reduce development and certification costs.

QNX OFFERS SAFETY-CERTIFIED AND SECURE SOFTWARE SOLUTIONS TO BUILD AUTOMOTIVE SUBSYSTEMS AND ECUS.

ADAS & AUTOMATED DRIVE

BlackBerry QNX powers advanced driver assistance systems (ADAS) with an OS certified to ISO 26262 ASIL D, as well as frameworks and middleware to enable automated drive features.

Products: QNX OS for Safety, QNX Hypervisor for Safety, QNX® Sensor Framework

DIGITAL COCKPIT

BlackBerry QNX enables digital cockpits that integrate multiple in-car systems while separating safety-critical systems from non-safety critical systems.

Products: QNX Hypervisor, QNX Hypervisor for Safety, QNX® Advanced Virtualization Frameworks, QNX® Acoustics Management Platform, QNX® Sensor Framework, QNX® Multimedia Suite, QNX® Speech Framework, QNX® SDK for Smartphone Connectivity

INSTRUMENT CLUSTERS

BlackBerry QNX offers a reliable, functionally safe solution for digital instrument clusters. Its one-of-a-kind ISO 26262 ASIL B pre-certified graphics solution and ISO 26262 ASIL D pre-certified RTOS

Products: QNX® Graphics for Safety, QNX OS for Safety

INFOTAINMENT

BlackBerry QNX offers market-leading technologies for the development of connected, safe and secure infotainment systems.

Products: QNX Acoustics Management Platform, QNX Sensor Framework, QNX Multimedia Suite, QNX Speech Framework, QNX SDK for Smartphone Connectivity

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CODESECURE

CODESonar

Static Application Security Testing

CodeSonar is a static application security testing solution (SAST) that helps you find and understand security and quality defects in your source code or binaries.

Security: CodeSonar checks for the use of tainted data, buffer issues, dangerous memory access, integer and floating-point overflow, and other common security coding errors.

Code Quality: CodeSonar detects memory leaks, dangerous memory access, and other common causes of low-quality code.

Code Performance: CodeSonar detects code that negatively affects performance, such as unnecessary tests for nullness, the creation of redundant objects, or superfluous memory writes.

Reporting: CodeSonar provides built-in reports for standards, such as MISRA, OWASP, and CWE. CodeSonar also includes a custom report builder your organization can use to develop a better understanding of the quality and security of your software projects. Export in CSV, PDF, HTML, or XML so you can work the way you want to.

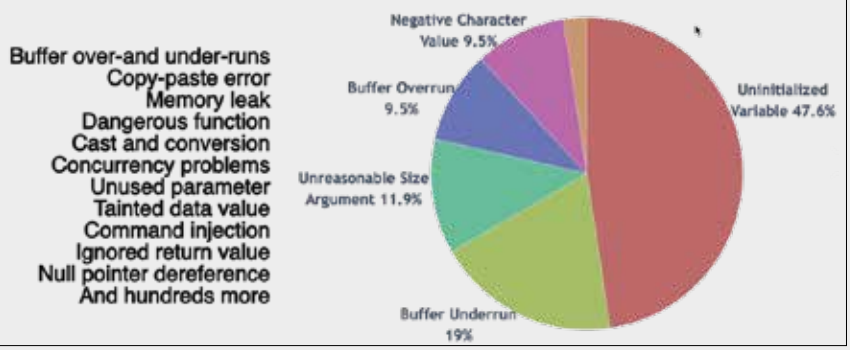
Safety and Security Standards

- **Safety Critical:** MISRA C 2023, MISRA C++, AUTOSAR C++ 14, JSF++
- **Security:** CERT, DISA STIG, OWASP, CWE

Functional Safety

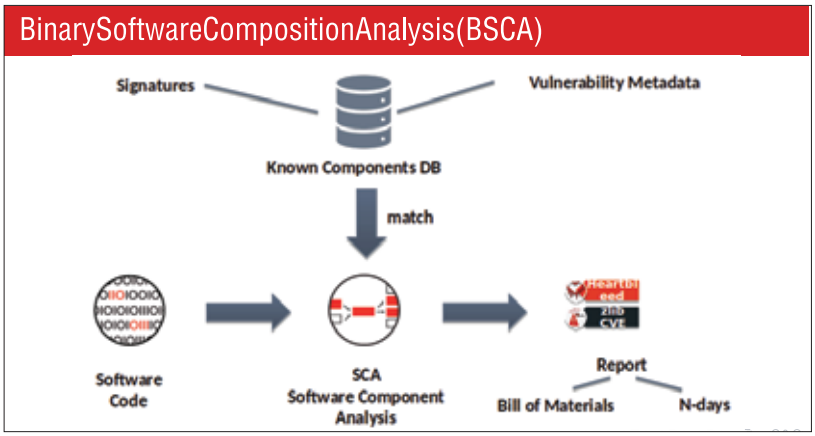
- Pre-qualified for the highest levels of safety for the IEC 61508, ISO 26262, and CENELEC EN 50128 standards.
- Artifacts for qualification according to DO-178C/DO-330 are also available.

Deep Insights



CODESentry

Enhancing Automotive Cybersecurity Through Software Transparency



Binary Composition Analysis (BCA)
Identify Vulnerable Open-Source Software (OSS) in Third-Party Components | Create SBOMS

Software Bill of Materials (SBOM) without Source Code

- Identifies open-source components and shared library dependencies in binaries, including firmware and containers
- Generates component inventory in SBOM with Annotation support
- SBOM mapped to VulnDB, the industry's most complete database of software vulnerabilities.
- Vulnerability Analysis and Software Supply Chain Security (SSCS) Risk Mitigation

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MES
MODEL ENGINEERING SOLUTIONS

MES MODEL EXAMINER®

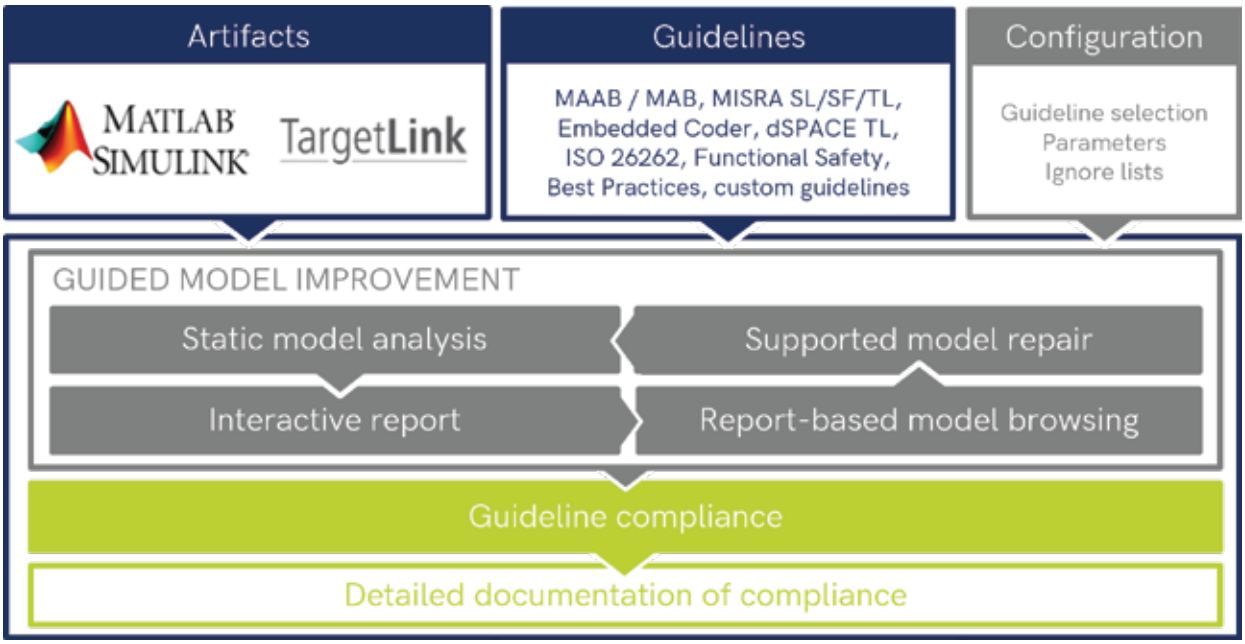
The first choice for static model analysis

Easy Checking of Modeling Guidelines

The Model Examiner (MXAM) is your first choice for a comprehensive static model analysis. MXAM offers an easy way to check modeling guidelines, analyze model structure, and evaluate model metrics, all in a single tool. Comprehensive user guidance through analysis results as well as the repair and improvement process effectively ensures ISO 26262 standard compliance for your software models.

Ensuring ISO 26262 Compliance

MES Model Examiner® is certified by TÜV SÜD as a T2 Offline Support Tool for use in safety-relevant software development in compliance with ISO 26262, IEC 61508 & ISO 25119.



MES Model Examiner® analyzes software models for guideline compliance and guides the user through the repair and improvement process.

Key Benefits

- Automated checks and repairs for Simulink®, Stateflow®, Embedded Coder®, TargetLink®, ASCET® and Excel® guideline violations
- Efficiently ensure ISO 26262-, ASPICE-, and MISRA®-compliant software models
- API for developing and integrating company-specific checks
- Simple integration into existing development environments
- Support system for guideline and check development

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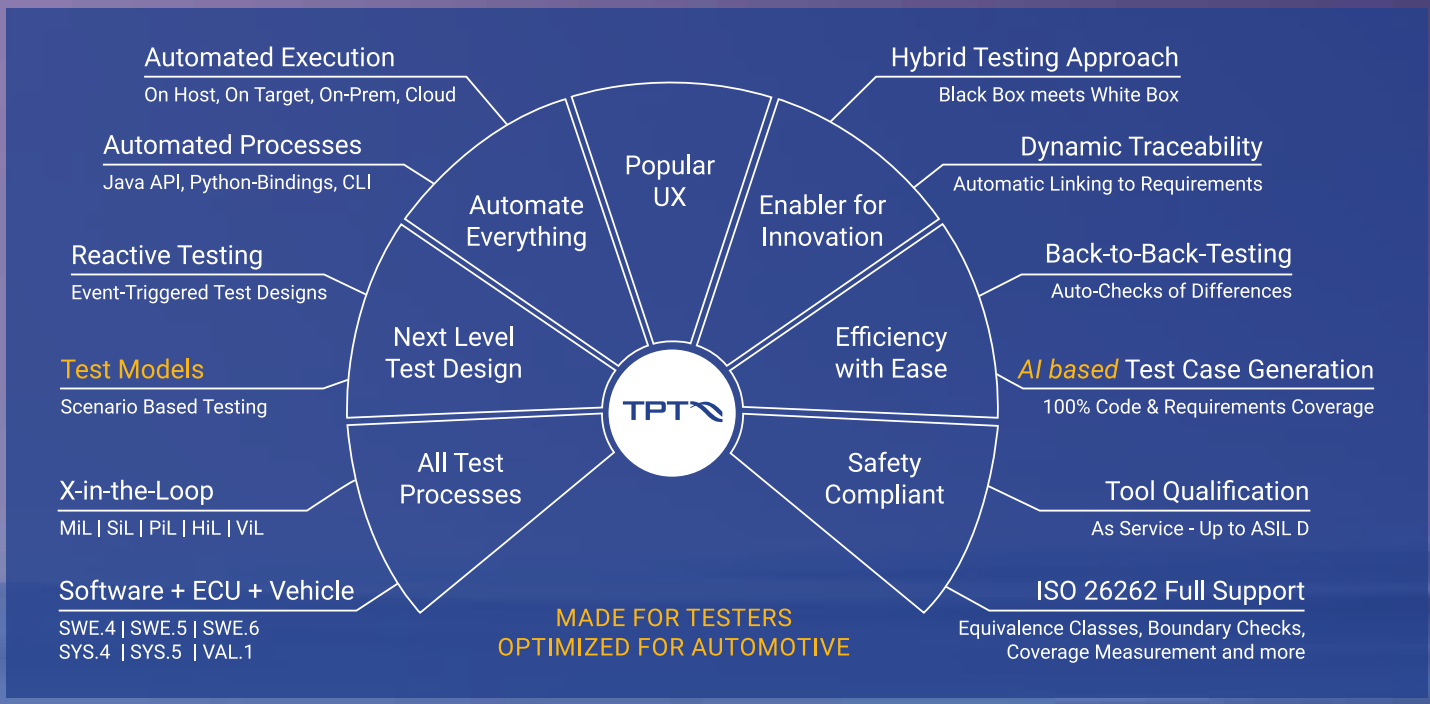
SYNOPSYS®

TPT

TPT Test Automation Framework

TPT a leading Automotive Test Automation Platform for Software-In-Loop, Model-In-Loop (Simulink Models), Processor-In-Loop. Vehicle-In-Loopp testing and even AUTOSAR SWC testing. Most automotive OEMs and TIER 1s have been using TPT to build comprehensive test automation suites quickly and effortlessly for different test environments.



FEATURES	DESCRIPTION
Test Automation	Automates unit, integration, and system-level testing for embedded software.
Model-Based Testing	Supports MATLAB/Simulink, dSPACE TargetLink, ASCET, and AUTOSAR.
Model Coverage Analysis	Targets model coverage goals like MC/DC or branch coverage
Automatic Test Case Generation	Automatic Test Case Generation • For 100% Model & Code Coverage • For 100% Requirements Coverage • Based on Formal Requirements • Based on test data/equivalence classes/variants/value rangesTT
ECU Testing	Runs tests on real ECUs, HIL, PIL, MIL and SIL platforms.
Back-to-Back Testing	Compares MIL, SIL, PIL, and HIL test results for consistency.
Requirements-Based Testing	Ensures traceability with requirements captured in all popular Requirement Management Tools/PLM tools (DOORS, Polarion, Codebeamer)
Code Coverage Analysis	Measures MC/DC, condition, decision, and statement coverage.
ISO 26262 Compliance	Certified tool for safety-critical automotive software testing.

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Verifysoft TECHNOLOGY

Testwell CTC++ Code Coverage Analyzer

Code Coverage compliant to highest safety requirements

Code Coverage with Testwell CTC++

- Fulfill requirements of standards
- Write better test cases
- Avoid redundant test cases
- Find dead code
- Prove code coverage to your customers
- Demand proof of code coverage from your suppliers
- Find bottlenecks by examining runtime behavior

Coverage Levels

- Statement Coverage
- Function Coverage
- Decision Coverage/Branch Coverage
- Condition Coverage
- Modified Condition/Decision Coverage (MC/DC)
- Multicondition Coverage (MCC)

Optimal Solution

- Very small instrumentation overhead
- Analyses code coverage on all targets
- Works with even the smallest targets
- Works with any compiler/cross compiler
- No modifications necessary for existing code
- Support of existing make files
- Very fast execution speed
- Seamless integration into common IDEs
- Support for C and C++

Code Coverage Results

- Summary Coverage Reports
- Directory
- Files
- Functions
- Execution Profile Listing
- Untested Code Listing
- Coverage Summary Listing
- Execution Time Listing

Meet the Code Coverage Requirements of ISO 26262 and IEC 61508

In order to evaluate the completeness of test cases, ISO 26262 requires the measurement of structural coverage. Depending on the Automotive Safety Integrity Level statement coverage, branch coverage and/or MC/DC (Modified Condition/Decision Coverage) is required (see 8.4.5 of 26262-6).

Coverage Level	ASIL A	ASIL B	ASIL C	ASIL D
Statement Coverage	++	++	+	+
Branch Coverage	+	++	++	++
MC/DC (Modified Condition/Decision Coverage)	+	+	+	++

++ + stands for "highly recommended", + stands for "recommended"

Qualification Kit for Standards:
DO-178C - IEC 61508 - EN 50128 - ISO 26262-IEC 60880

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RFcreations
...a different perspective

Innovation that solves your Bluetooth® Test Challenges

- CS RF PHY & Part H CS Layer Tests
- HDT & higher bands ready
- BLE/Classic/802.15.4 RF PHY Tests
- Smallest, lowest power sniffer
- Bespoke protocols on request
- Production & Development Options
- Android sniffer/coverage app
- LE Audio latency measurements
- Runs in Windows, MacOS & Linux
- Configurable GUI & API
- Bespoke protocols on request
- Perpetual SW Licenses - no OPEX

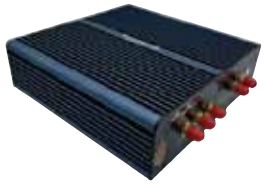
mini-mreph

- World's smallest USB powered Protocol Analyser
- BR/EDR, BLE, Qualcomm QBHSL, MediaTek mHDTV2.0, IEEE 802.15.4, LE Audio and CS (Sin□le/Dual/+++ options)
- Simultaneous RX & TX over the entire 2.4 GHz ISM band
- Live or post-capture decryption with blueSPY GUI
- 16 channel Lo□ic Analysis & WiFi Packet Timin□
- Custom 2.4 GHz PHYs available upon request

mrephE

- Specifically designed for PHY Layer Testing
- Options for BR/EDR, BLE, QBHSL, IEEE 802.15.4
- RF Spectrum Record and Playback option - 3 hrs 40 mins
- C/I, blocking & intermodulation signals generated internally
- Accurate power control to -115dBm for coded PHY tests
- Full support for in-band emissions
- Production Line or Development options available

mrephcs channel sounding



- Support for all CS RF-PHY test cases, including BT=2.0 modulation index & CS Layer tests via HCI
- Simple control via comprehensive GUI or Python/C dll.
- Log of all HCI traffic and key events
- Export of raw IQ data, spectrogram or the entire capture
- Capture of GPIO time aligned with IQ data
- Production Line or Development options available

pod audio

- Audio latency measured end-to-end, between-channels or relative to on-air packets in real-time
- Audio capture and generation accurately timestamped relative to Bluetooth packets
- Measures LE Audio Presentation Delay
- Measures SYNC between Left and Right channels

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Gantner instruments

Electric Vehicle Testing DAQ Solution

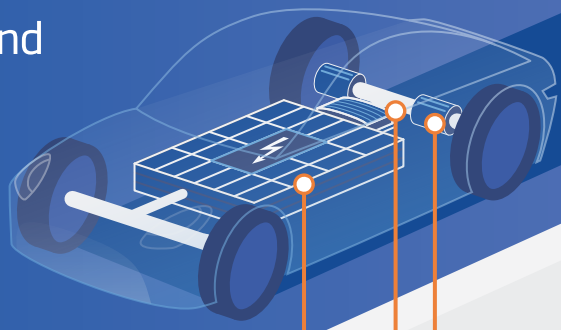
neXt generation in data acquisition and signal conditioning

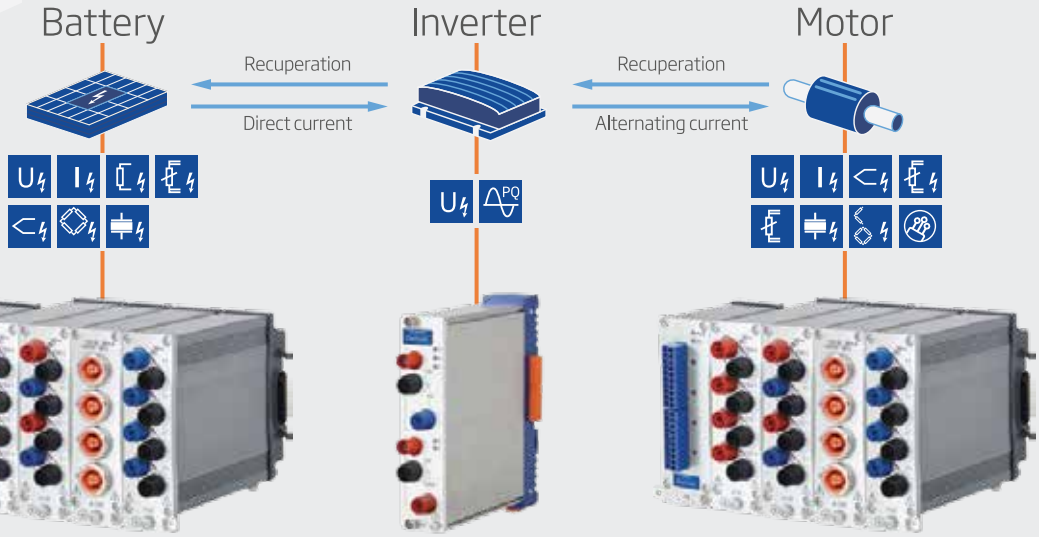
For analog, digital, optical and MHz signals **MHz**

High isolation I/O modules for electric vehicle testing

1200 VDC continuous isolation

5000 VDC peak





Q.series X
Continuous 1200 VDC isolation

Q.boost
Up to 4 MHz per channel, triggered or continuously

Q.series X
Up to 100 kHz per channel

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info@gantner-instruments.com | T +43 5556 77 463-0

Quarch Technology

HOW TO ANALYZE AN EV CHARGER

EV charging is a complex process. With many different vehicles and chargers, we would expect to see a range of compatibility issues and charging speeds.
Understanding and solving problems requires data, and this is where the 3-phase AC PAM (Power Analysis Module) comes in.

3-PHASE MAINS POWER ANALYSIS MODULE

FEATURES

- Measure 3-phase supplies
- Monitor voltage, current and power
- Capture data in Power Studio or direct to your own files
- Powerful automation option for capture and analysis

This device can capture high resolution AC traces for long periods of time:

- 8,000 Samples per second
- 16, 32 and 63 Amp versions
- Plug-and-play setup
- Manual and fully automated capture options
- PoE powered
- USB and LAN connectivity
- Supports upto 400v AC

QUARCH POWER STUDIO

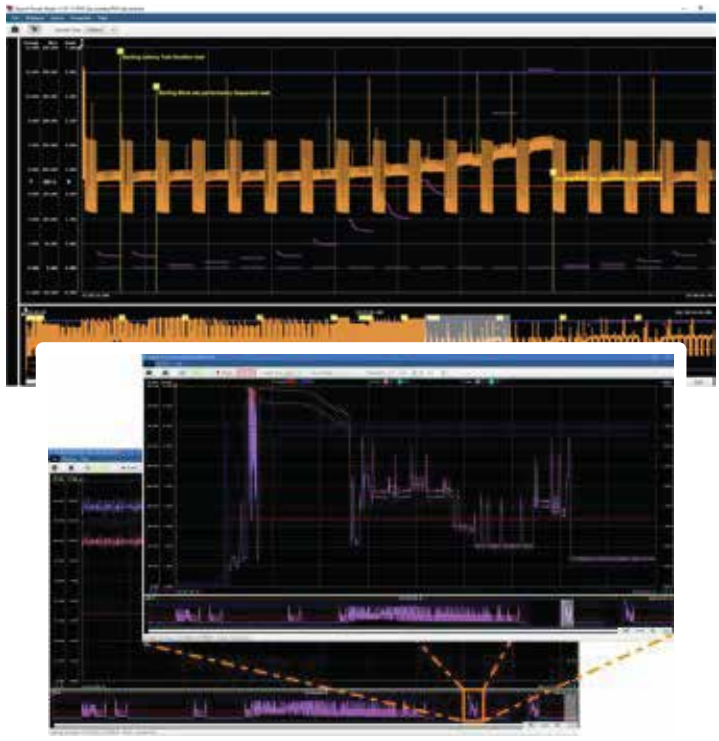
QPS (Quarch Power Studio) allows you to view and capture power data over extended periods of time, and easily analyze the power performance

FEATURES

- Record any length of power trace
- High resolution capture for detailed analysis
- Annotate traces
- Export screenshots and trace sections
- Measure detailed features and view area statistics

TECHNICAL

- Server (QIS)
- Handles multi-gigabyte filesJava based application
- Built on Quarch Instrument
- No additional drivers needed



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Acute
-based T&M Instruments
PC

MSO3124V
Mixed Signal Oscilloscope

MSO3000 Mixed Signal Oscilloscope

- DSO: 4 Channels, 1 GS/s S/R, 200 MHz bandwidth
- Logic / Protocol Analyzer: 16 Channels, 2 GS/s Timing Analysis, 250 MHz State Analysis
- Data Logger (HDD / SSD Storage)
- Total Memory: 4 Gb
- Digital Voltmeter: 3 digits
- Frequency Counter: 5 digits

6-in-1 Instruments: DAQ, DSO, DVM, Frequency Counter, Logic Analyzer, Protocol Analyzer

LA4136B
Logic Analyzer

LA4000 Logic Analyzer

- 136 channels
- 4GHz Timing Analysis / 400MHz State Analysis
- 32Gb Memory
- Logic, State and Protocol triggers
- Stackable with a DSO to form an MSO

Ideal for applications requiring high-speed timing analysis or dealing with complex state analysis

BF7264 Pro
Protocol Analyzer

BusFinder Protocol Analyzer

- Real-time data display, post-capture waveform
- Trigger for commands or data
- 64 channels Logic Analyzer
- 32Gb total memory Protocol Analyzer
- Protocol Option: eDP1.4a, eMMC 5.1, MIPI D-PHY 1.2, NAND Flash, SD 3.0(SDIO 3.0), SD 4.1 (UHS-II), SGMII, UFS2.1

TS3124V DSO

TravelScope DSO

- Record length: 128Mpts/ch
- Channel: 4
- Sample rate: 1 GS/s
- Bandwidth: 200 MHz
- Data Logger (HDD / SSD Storage)
- Digital Voltmeter: 3 digits
- Frequency Counter: 5 digits

PROTOCOL ANALYZER

BiSS-C
CAN2.0B/CAN FD
DALI
DP_Aux
eSPI
HID over I2C
I2C
I2S
LIN2.2
MDIO
MII
MIPI I3C 1.1
MIPI RFFE 3
Modbus
PMBus
Profibus
PWM
RGMII
RMII
RS-232
RS-482
SMBus
SPI
SVID
UART (RS232)
USB PD 3
USB1.1

ETHERNET

10BASE-T1S, MII/RMII/RGMII/GMII/SGMII

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Monsoon Solutions Inc.

THE NEXT GENERATION OF 2-IN-1 HIGH PRECISION POWER MONITORING HARDWARE AND BENCHTOP POWER SUPPLY IS HERE

Eliminate the need to buy a separate power supply and power monitoring device. Save space and test setup cost using the highly scalable solution of Monsoon High Voltage Power Monitor (HVPM).

POWERFUL SOFTWARE
Full featured Windows GUI-PowerTool. Multiple APIs support for Linux, Mac and Windows platforms which allow for fully-automated testing

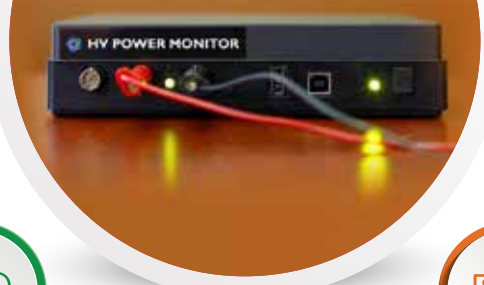
WIDE VOLTAGE AND CURRENT RANGE
Main Channel- Output Voltage Range 0.8-13.5 V
USB- Up to 5.5 V
Aux Channel -Up to 13 V supplied externally
0.01 V Increments
Continuous Current 6 A

PORTABLE MODULAR DESIGN
Very flexible; Can be deployed individually at a single workstation or scaled up to rack mount style configurations for large scale testing

HIGH ACCURACY
Main Channel- Fine Current Range 50µA-60 mA; Resolution 0.9 µA (+/- 50µA) in low current measurements
Coarse Current Range 60mA-6A; Resolution 125 µA

WIDE APPLICATIONS
Development and testing of Smartphones, Tablets, Software App, Automotive, IOT devices with respect to Battery drain

APPLICATION HIGHLIGHTS



INDUSTRY LEADING CERTIFICATIONS
UL, FCC and CE certified

AFFORDABLE

BRIEF SPECIFICATIONS

- Size: 8 in x 6 in x 2 in (20 cm x 15 cm x 5 cm)
- Weight: 1.1 lb (0.5kg)
- Input power 115V to 240V, 47-63Hz
- Main channel 0.8V to 13.5V range
- USB channel 2.1V to 5.4V
- Aux channel input 0.5V to 13V
- UL, CE, FCC certified

TYPICAL USE CASES

- Smartphones, Tablets or Laptops
- Smartphone Apps
- Internet of Things (IoT) Devices, Medical Devices
- USB Devices
- Automotive Sub-circuits
- Prototype Designs
- Power measurement of Arduinos, Raspberry Pi and Microcontrollers
- Burn in testing

WHAT'S INCLUDED?

- High Voltage Power Monitor (HVPM)
- Power supply
- 2 alligator clips
- 2 USB cables
- Information card with links to PowerTool software and support documentation

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technica engineering
Member of KPIT Group

HARDWARE AND SOFTWARE TOOLS FOR TESTING AND VALIDATING AUTOMOTIVE NETWORKS

CAPTURE MODULES

Capture and log messages from a variety of bus topologies are captured, timestamped (the same timestamp across different bus systems) offers five variants to cover Automotive Ethernet (100BASE-T1, 1000BASE-T1 and 2.5/5/10/10GBASE-T1), as well as common IVN technologies (CAN, CAN-FD, FlexRay, LIN)

CM MULTIGIGABIT

CAPTURE YOUR AUTOMOTIVE MULTIGIGABIT TRAFFIC IN THE CAR WITHOUT INTERFERING THE ORIGINAL NETWORK

The **CM MultiGigabit**, enabled through new PHY technology, can be set to log three different data rates:

2.5 Gbit/s (2.5 GBASE-T1)
5 Gbit/s (5 GBASE-T1)
10 Gbit/s (10 GBASE-T1)

CM CAN COMBO

CAPTURE RELIABLY ALL RELEVANT IN-VEHICLE-NETWORK (IVN) TRAFFIC FROM DIFFERENT COMMUNICATION TECHNOLOGIES INSIDE THE VEHICLE

The CM CAN COMBO can capture traffic from the conventional CAN buses, as well as CAN-FD, FlexRay, and RS-232 can be captured without interfering with the original networks

6x CAN/ CAN-FD	1x FLEXRAY 2x RS232/TTL	1x GIGABIT ETHERNET (RJ-45)	1x SYSTEM CONNECTOR

MEDIA CONVERTORS

Establish a physical layer conversion between Automotive Ethernet connections (100BASE-T1, 1000BASE-T1, 2.5/5/10GBASE-T1, 10BASE-T1S) and any device with a standard Ethernet Network Interface Card (NIC) with an RJ-45 connector

MEDIA CONVERTOR 1000BASE-T1 MATENET/H-MTD

Converts between 100/1000BASE-T1 Automotive Ethernet and 100BASE-TX /1000BASE-T Standard Ethernet

NETWORK INTERFACER 10BASE-T1S

Acts as a communication hub, seamlessly routing data between 10BASE-T1S and point-to-point ports

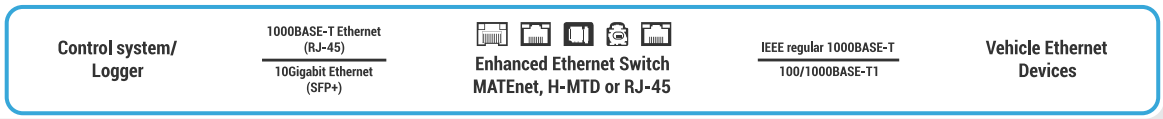
SWITCH-BASED PRODUCTS

Allow for a managed, multi-directional exchange of Ethernet messages

ENHANCED ETHERNET SWITCH MACSEC HYBRID

AUTOMOTIVE ETHERNET SWITCH WITH AVB/TSN CAPABILITIES TO TEST AND ANALYZE VEHICLE NETWORKS

- 4x 100/1000BASE-T1, 4x 10/100/1000BASE-T, 2x SFP+ slots supporting up to 10 Gbits
- Provides a reliable gPTP/802.1AS-2011 automotive profile stack
- MACsec Feature Package supports the MKA (MACsec Key Agreement) protocol
- Selectable connector interface between MATEnet, H-MTD, or RJ-45 connector, depending on the intended customer use case



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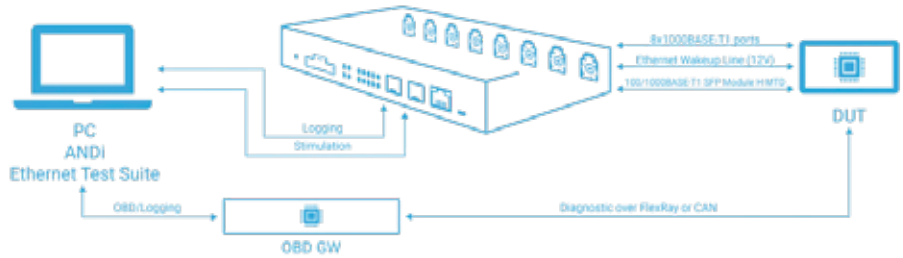
technica engineering
Member of KPIT Group

HARDWARE AND SOFTWARE TOOLS FOR TESTING AND VALIDATING AUTOMOTIVE NETWORKS

ANDI PREMIUM

ANDI (Automotive Network Diagnoser) is a testing and analysis tool which is used for Automotive software in every development phase. The tool is designed to simulate electronic networks, test components, and to analyze test results effortlessly. The major strength of the ANDi tool, is in depth network analysis and testing activities of Automotive Networks.



SUPPORTED HARDWARE

TECHNICA'S HARDWARE

Captures Modules:

- CAN COMBO
  - CM LIN COMBO
  - CM Ethernet COMBO
  - CM 100 High
  - CM 1000 High
- MediaGateway
- Enhanced Ethernet Switches (EES)
- BTS EVO

3RD PARTY HARDWARE

MAIN FUNCTIONALITIES

CREATING TEST CASES

- Easy-to-learn test case creation in Python
- Large number of convenience functions and extensions
- High data rates supported for load tests
- Extensive and efficient API interfaces to import any .NET extensions

RESIDUAL BUS SIMULATION (RBS)

- User-friendly drag and drop functions for creating simulation nodes
- Extending and customizing of the generated simulation nodes with Python Scripts

TRAFFIC VIEWER

- Advanced Filtering
- Fixed functionality
- Database Mapping

MULTIPLE CHANNELS

- Specify several channels and record all the traffic they receive in one window, respecting time synchronization

MATH FUNCTION

- Display signals by a simple specification of its mathematical equation, automatically completed by the Rest Bus Simulation and Traffic Generator

IMPROVED PCAP RECORDER

- Record the entire traffic or just a part of it by defining one or multiple Start/Stop conditions
- Scroll back to view and capture past packets

GRAPHICAL PANELS

- Create your own design with use cases and test scenarios
- Visualize and modify signals and global variables by using a set of toolbox items
- Show a different image for each value of the signal by triggering messages and scripts via the transmit button

SCRIPT DEBUGGING

- Enable debugging of the test scripts and setting of breakpoints in the test script editor

SIGNAL GRAPHICS

- Generate a time-correlated graphical representation of different signals on multiple buses
- Analyze data logging into trace files

PCAP PLAYER

- Replay data from a PCAP file as live traffic to a chosen adaptertime synchronization

FILE CONVERTER

- Convert a PCAP or PCAPNG file with a gateway header to a new PCAP or PCAPNG file without a gateway header

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PEAK System

Leading provider of hardware, software, and services for automotive and industrial communication with emphasis on the fieldbuses CAN, CAN FD & LIN.

Support for Automotive APIs

PCAN-Router Pro FD

Ixxat Mobilizer
Flexible Automotive Gateway Solution

PCAN-MicroMod FD ECU

PCAN-USB X6

CAN & CAN FD Interfaces

PCAN-GPS Pro FD

CAN/CAN FD/LIN Interfaces

- Single, dual and six Channels Interfaces for classic CAN/CAN FD/LIN/J1939 etc protocols
- Complies with CAN specifications 2.0 A/B and FD
- CAN/CAN FD bit rates for the data field (64 bytes max.) up to 12 Mbit/s
- LIN interfaces are compliant with all LIN specifications (up to version 2.2) and can be used as a LIN master or slave

CAN Analyser: PCAN Explorer6

- Cost effective, life time tool - no AMC
- Recording and playback of CAN/CAN FD / J1939 traffic
- Create your own database
- Import/Export existing DBC & ARXML files
- Automation with macros or VBScript
- Plotter, Instruments Panel analysis support for CAN/CAN FD and J1939 protocols

Diagnostic Tools: CanEasy Professional

- Protocols: CAN/CAN FD, LIN, J1939
- Diagnostic functions: UDS, KWP2000, XCP/CCP
- ECU Simulation & Analysis
- Graphical Interface: Rich Panels and Database Editors (ARXML, DBC, LDF, CDD, ODX, PDX & A2L/ELF files)
- Plug & Play: Supports all PCAN, Ixxat and other Third-Party Hardware
- Automated Testing: Supports Scripting, CAPL converter, CAPL loader

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