



Data Sheet

CONiX Testfleet Solution

Transform Your ADAS/AD Development and Validation with CONiX Testfleet Solution

Unlock efficiency and innovation in your ADAS/AD development and validation drives with our extensive, cloud-based CONiX Testfleet Solution.

Designed to streamline operations and bridge the gap between departments, this solution is your key to a seamless, data-driven development process.



Operation area

Tailored for test fleet managers, test drivers, and developers, CONiX Testfleet Solution facilitates:

- Efficient planning and execution of driving campaigns.
- Hassle-free over-the-air updates for ECUs, configurations, and software.
- Enhanced collaboration across departments in the data-driven development lifecycle.

Benefits

With CONiX Testfleet Solution, expect to:

- Reduce administrative workload across all stages of development and validation.
- Free up valuable time to focus on creating more value.
- Eliminate downtime and avoid empty storages.
- Cut down on new test driver training periods.
- Save costs by detecting problems in real time.

CONiX Testfleet Solution delivers precision tools tailored to the unique demands of ADAS/AD test and development fleet management.

Elevate your ADAS/AD testing and development with tailored solutions for every role in your team.

Test Managers

Experience a new level of control and efficiency:

- Define and monitor test drive campaigns
- View all vehicle information in one location
- Implement automated workflows
- Prepare and deploy software updates
- Gain remote access to vehicle systems
- Oversee drivers and suppliers with nuanced access rights management A specialized tool for the needs of an ADAS/AD

Test Drivers

Pre- and post- work reduced to a minimum:




- Understand vehicle status with a clear green, yellow, and red system
- Navigate with an intuitive dashboard
- Use integrated shift protocol templates for effortless documentation
- Follow streamlined car takeover and release processes

Developers


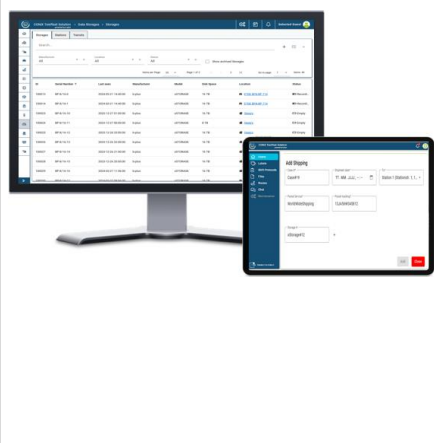
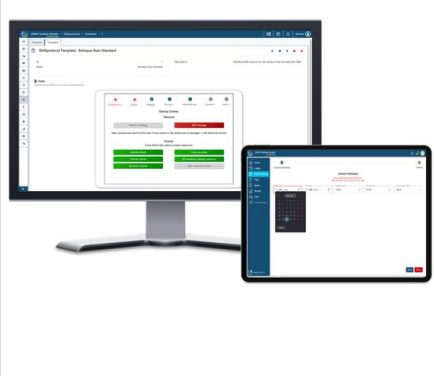
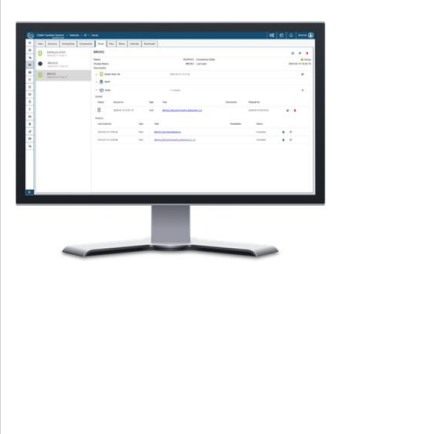
CONiX Testfleet Solution creates seamless connections to the development fleet:

- Quickly roll out new recording triggers
- View a live map of your triggers in action
- Leverage metadata to easily identify valuable recordings for corner case analysis


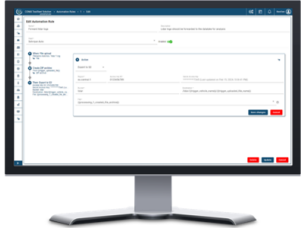

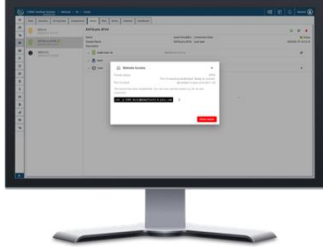
Features

<p>Overview</p>	<p style="text-align: center;">Backend Cloud or On-Premise</p> <p style="text-align: center;">Driver Driver Dashboard / Host w/ Agent</p> <p style="text-align: center;">Test Manager Web App</p>
<p>Fleet Management</p>	<p>CONiX Testfleet Solution empowers you to meticulously organize your fleets and vehicles. Maintain a comprehensive grasp of all essential documents, configurations, software versions, and setups with ease.</p> <p>Tailored Access Control: Leverage advanced role and user management features to fine-tune visibility and access rights across your team. Ensure each user has just the right level of access for seamless, secure operations.</p> <p>Elevate your fleet management to new heights with CONiX Testfleet Solution, where organization meets sophistication.</p> 
<p>Dashboard</p>	<p>CONiX Testfleet Solution is crafted to provide a comprehensive overview at a glance. Quickly locate your test vehicles or monitor their movements in real-time, with the added advantage of assessing their health state to make informed decisions on-the-go.</p> <p>Holistic Visibility: Whether your vehicles are online or offline, gain swift access to their locations and last known health states. This dual visibility ensures you're always informed about your fleet's status.</p> <p>Streamline your operations with CONiX Testfleet Solution, where managing your fleet is as efficient as it is effective</p> 
<p>Vehicle Management</p>	<p>CONiX Testfleet Solution transforms vehicle management with a digital twin approach. Dive into a detailed view encompassing attributes, components, hosts, software versions, and a centralized file center — your organizational hub.</p> <p>Customizable Health Monitoring: Set signals and thresholds to calculate vehicle health, utilizing intuitive traffic light symbols for immediate status recognition, invaluable for drivers and test managers alike.</p> <p>Historical Insights: Access routes previously driven, along with metadata and uploaded files, for comprehensive historical analysis.</p> <p>Tailored Driver Communication: Configure labels and shift protocols to streamline operations for drivers. Engage directly through integrated chat functionality for seamless interaction.</p> <p>Remote Control Capabilities: Execute remote updates for ECU software and recorder configurations, along with other vehicle tasks, ensuring your fleet stays up-to-date and functional.</p> <p>Elevate your fleet management with CONiX Testfleet Solution, where advanced vehicle oversight meets interactive, real-time control.</p> 

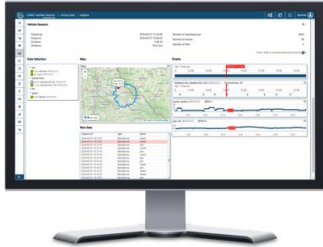

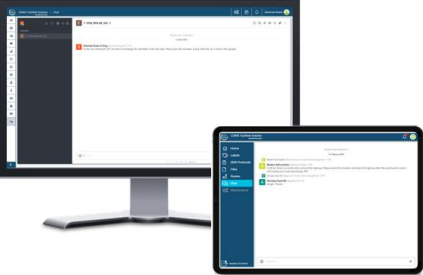

Features

<p>Vehicle and System Health States</p>	<p>CONiX Testfleet Solution leverages vehicle host signals to craft a nuanced picture of system and vehicle health. Utilize standard arithmetic operations and threshold values to flag warning or error states, offering a full spectrum of diagnostic capabilities.</p> <p>Dynamic Health State Assessment: Aggregate individual system health indicators into an overarching vehicle health state automatically.</p> <p>Clear, Intuitive Alerts: The synthesized health status is prominently displayed on both the driver's dashboard and the web frontend, ensuring that critical information is immediately accessible.</p> <p>Empower your fleet with detailed health insights, enabling proactive maintenance and operational decisions with CONiX Testfleet Solution.</p>	
<p>Storage Management</p>	<p>CONiX Testfleet Solution offers end-to-end support for all your data storage needs, from the ground up. Start with straightforward listings of your devices, detailed with attributes such as serial numbers, disk space, and logistical information, including location. Extend to comprehensive organizational support for transportation, streamlining the workflow from the office to the vehicle and test driver.</p> <p>Effortless Logistics and Tracking: Simplify the logistics and tracking of your storage devices. Stay informed of their whereabouts, current status, and count of devices in transit.</p> <p>Seamless Integration: Our system seamlessly integrates logistics into your data management strategy, bridging the gap between physical storage and digital efficiency.</p> <p>With CONiX Testfleet Solution, managing your data storages becomes a breeze, ensuring smooth operations and enhanced organizational synergy.</p>	
<p>Driver Shift Protocols</p>	<p>CONiX Testfleet Solution revolutionizes driver shift management with a straightforward, efficient workflow. Drivers input their shift data directly into the dashboard, simplifying the process down to a few clicks.</p> <p>Accessible Reporting: Managers have the ability to easily view and export driving times—daily, weekly, or monthly—direct from their dashboard.</p> <p>Accelerated Accounting: A notable benefit for driving service providers is the rapid verification of driving hours, which significantly speeds up the accounting process.</p> <p>Experience hassle-free shift protocol management with CONiX Testfleet Solution, where simplicity meets efficiency, enhancing both operational and financial workflows.</p>	
<p>OTA Updates and File Upload</p>	<p>CONiX Testfleet Solution simplifies task management and deployment within your fleet. Create tasks and deploy them remotely to any vehicle, offering flexibility in operation with immediate or scheduled over-the-air rollouts.</p> <p>Seamless Over-the-Air Updates: Whether it's ECU updates, configurations, driver updates, software changes, or system diagnostics, everything is done with a single click. If a vehicle is offline, tasks queue and execute upon the next system start.</p> <p>Unparalleled Traceability: Every action is meticulously tracked for complete traceability, ensuring you're always in the loop.</p> <p>Centralized File Management: Vehicles can upload additional files, consolidating log files and other data in one centralized location within the vehicle view.</p> <p>Leverage CONiX Testfleet Solution for streamlined task execution and comprehensive fleet management, enhancing efficiency and reliability across the board.</p>	

Features

<p>Campaign Manager</p>	<p>CONiX Testfleet Solution revolutionizes how driving campaigns are planned and tracked through its intuitive campaign manager view. Streamline the process from conception to execution:</p> <p>Seamless Campaign Creation: Effortlessly create new campaigns, define objectives, assign your fleet, and hit the road.</p> <p>Real-Time Progress Monitoring: Enjoy a live dashboard showcasing the progress towards your goals. Utilize this vital information to issue timely commands to drivers, optimizing your operations.</p> <p>Cost-Efficient Operations: By leveraging real-time data, save both time and resources, making your campaigns more efficient.</p> <p>Comprehensive Reporting: Maintain control with the ability to report on all individual objectives of extensive, global driving campaigns.</p> <p>With CONiX Testfleet Solution, managing your driving campaigns becomes a streamlined, more efficient process, allowing you to focus on achieving your targets with precision and ease.</p>	
<p>Automation Center</p>	<p>Unlock the full potential of your operations with CONiX Testfleet Solution's Automation Center. Streamline your workflows like never before:</p> <p>Customized Automation: Set up rules to automate error notifications, shift protocol reports, and more, with ease.</p> <p>Tailor-made Triggers: Select and configure triggers tailored to your specific needs.</p> <p>Defined Processing Steps: Outline the steps your automation will follow, ensuring precision in every task.</p> <p>Action Execution: Finally, define the action to be taken, completing your custom automation loop.</p> <p>Transform your operational efficiency with our Automation Center, where each workflow is an opportunity for optimization.</p>	
<p>Route Planning</p>	<p>CONiX Testfleet Solution brings unparalleled ease to managing driving routes. Load predefined routes and effortlessly assign them to specific vehicles within your fleet:</p> <p>Easy Route Assignment: Quickly allocate designated routes to the vehicles that will execute them.</p> <p>Streamlined Driver Experience: Drivers can start their journeys with clear, predefined points of interest, ensuring efficient route completion.</p> <p>Empower your fleet with CONiX Testfleet Solution, making route management more intuitive and driving tasks more straightforward for every driver.</p>	
<p>Remote Administration</p>	<p>CONiX Testfleet Solution prioritizes secure and reliable remote access, a crucial component for maintenance, diagnostics, and troubleshooting. Our integrated system facilitates a variety of access methods to suit any need:</p> <p>Versatile Connectivity: From the straightforward SSH protocol to advanced screensharing options, tailor your access to fit the task at hand.</p> <p>Custom Solutions: We cater to customer-specific requirements, ensuring your unique needs are met with precision.</p> <p>Empower your fleet operations with CONiX Testfleet Solution, where secure remote access meets flexibility and efficiency.</p>	

Features

<p>Drive Data Center</p>	<p>CONiX Testfleet Solution offers powerful tools to delve into your driving data, providing both predefined and customizable analytics for comprehensive fleet understanding:</p> <p>Essential Statistics: Access predefined stats such as driving time and mileage to gauge overall vehicle usage.</p> <p>Custom Analytics: Craft your own filters to sift through metadata and recordings, pinpointing the exact corner cases you need to examine.</p> <p>With CONiX Testfleet Solution, you're not just collecting data; you're unlocking the insights necessary to optimize your fleet's performance.</p>	
<p>Calendar</p>	<p>CONiX Testfleet Solution enhances your planning capabilities with a dedicated calendar for each vehicle, making scheduling straightforward and efficient:</p> <p>Individual Vehicle Planning: Assign tasks, maintenance, and other events directly within each vehicle's unique calendar.</p> <p>Central Overview: Access a comprehensive view of all vehicle schedules in one central calendar, ensuring you have a complete picture of fleet utilization.</p> <p>Streamline your fleet management with precise scheduling tools, ensuring that every vehicle is optimally deployed</p>	
<p>Chat</p>	<p>CONiX Testfleet Solution fosters efficient communication between fleet managers and vehicles, prioritizing privacy and simplicity:</p> <p>Direct Messaging: Send targeted messages or receive updates directly from your fleet, keeping lines of communication open for operational efficiency.</p> <p>Anonymity Ensured: Communication channels are designed to be anonymous, connecting the web frontend with the vehicle without revealing specific driver identities.</p> <p>Maintain a clear, confidential dialogue with your fleet, ensuring that crucial information flows freely while respecting privacy.</p> <p>(The Chat is a 3rd party integration of <i>Rocket.Chat!</i> tailored to the use case of anonymous communication.)</p>	
<p>Driver Dashboard</p>	<p>CONiX Testfleet Solution supports your drivers with generic and customized visualizations.</p> <p>Manual Labelling: Use the configured label view to create meta data and gain more insights to the recorded data. Find interesting spots and speed up development process by cherry picking of the interesting recordings.</p> <p>Privacy Mode: One click and the drive can be executed without sending data or logging information locally.</p> <p>Signal View: Debug into details already during test drives. Have a look on interesting signals and save time while searching root causes for misbehavior.</p> <p>IRIS Boards: Generate custom views by just using the built in features. Visualization of trigger pictures or y-t diagrams give immediate feedback to the driving teams.</p> <p>The driver dashboard is ideal for a fantastic user experience and is the frontend for your colleagues. Use this extraordinary tool to make live happier.</p>	
<p>Custom Integrations and Extensions</p>	<p>CONiX Testfleet Solution can be easily extended with new functionalities and integrations. Send us your ideas and we will do the customization for you!</p>	



Specifications

Agent (vehicle client)	WebFrontend
Windows10/11 64-bit Linux 64-bit Memory consumption is depending on the agent configuration	GUI is based on standard web browser technology

All specifications are subject to change without notice.



Order Information

Name	Description
CONiX Testfleet Solution	Smart Fleet, Device and Driver management tooling. Solving challenges all around the management, planning and tracking of test drives.

Order Information Accessories

Name	Part Number	Description
Router Teltonika RUTx11	A1006809	Industrial Cellular Router – 4G LTE Cat6 up to 300Mbps - Dual SIM - GNSS Wifi 802.11b/g/n/ac & Bluetooth 4.0 4x 1G Ethernet ports with VLAN support Supply voltage 9-50V (at 16W max.) Operating Temperature -40°C to 75°C IP30 ECE R10 (E-mark)
InVehicle PC VBOX3131	A1006808	Ultra Fanless Industrial PC for Fleet Management Intel® Celeron N3060 Braswell CPU In-Vehicle Computer with 9-60V DC Input Ultra compact Design 150 x 135 x 55.3 mm Smart Ignition Vehicle Power Operating Temperature -30°C ~ 60°C 0.6m/s airflow E-mark