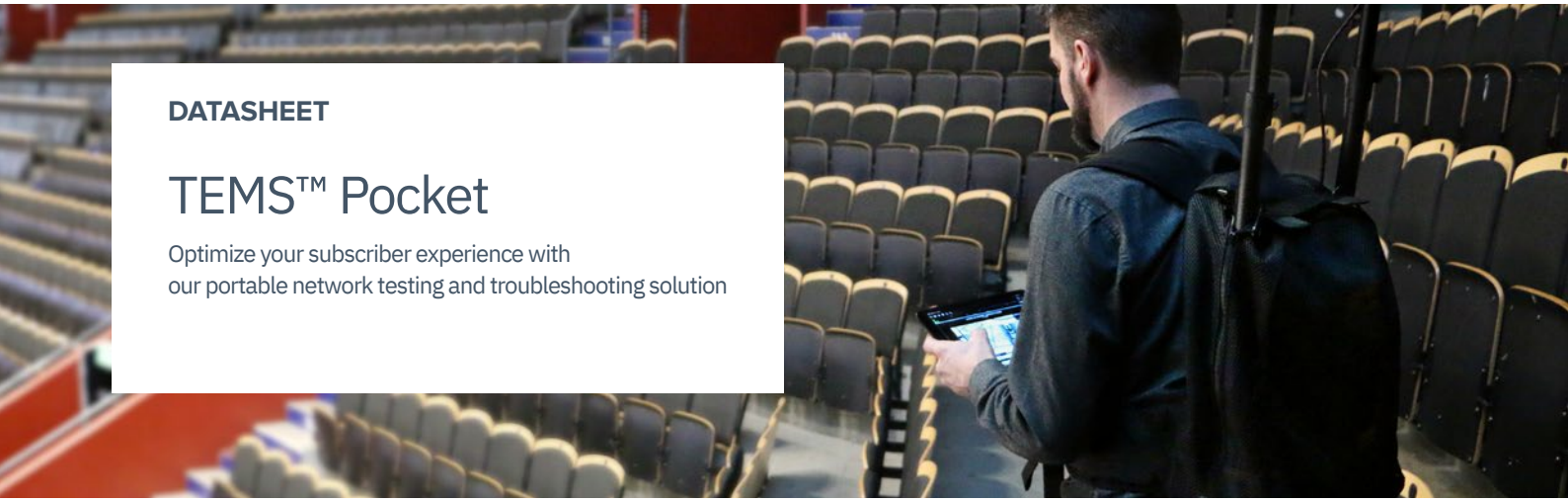
infovista



DATASHEET

TEMS™ Pocket

Optimize your subscriber experience with
our portable network testing and troubleshooting solution

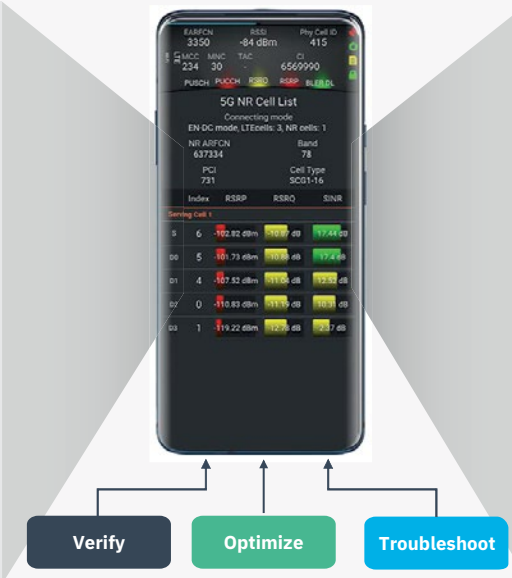
Verify, optimize, and troubleshoot your network performance everywhere portability is required with TEMS™ Pocket

TEMS™ Pocket is a powerful smartphone-based mobile network testing solution with support for 5G devices and scanners. It allows you to verify, optimize and troubleshoot your mobile network in environments requiring portability, such as malls, stadiums, offices, and areas with limited accessibility where drone-based testing is the best approach. Its advanced testing capabilities provide actionable insights to improve your subscribers' mobile experience.

Improve your indoor and campus coverage to ensure you properly serve the 80% of mobile data traffic that originates indoors

Drone test hard-to-reach locations such as industrial complexes and emergency services' flight corridors with drone mounted TEMS Pocket

Accelerate your indoor 5G roll-out with efficient indoor testing, initial tuning, site acceptance and network troubleshooting capabilities



Benchmark indoor network performance with a multi-device TEMS Pocket backpack solution that enables competitor benchmarking for strategic indoor locations

Be in control of your testing with powerful device forcing features, scripting and workflow integrations

Install TEMS Pocket on standard consumer devices so field engineers need only carry one phone

TEMS Pocket use cases

Indoor network troubleshooting and optimization

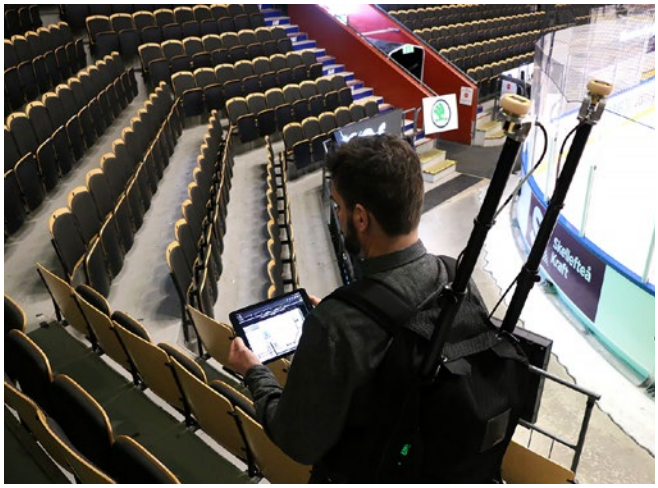
Enhance your subscriber experience indoors and across campuses.

Subscribers expect your network to deliver a flawless user experience indoors. TEMS Pocket's in-depth testing capabilities, including application and 5G network testing, provide you with the insights you need to enhance your subscriber experience indoors and across campuses. Working with the latest phones and supporting OTT application testing, TEMS Pocket delivers the portability and capabilities you need.

In-building site verification

Verify that your new indoor sites deliver the expected performance.

When rolling out a new indoor system or adding 5G to an existing one, you need to efficiently and accurately ensure that network performance meets your expectations. With application-level and network-level testing, accurate indoor positioning and the ability to use scanners for detailed RF measurements, TEMS Pocket is the ideal solution for your indoor network roll-out verification needs.



Indoor mobile network benchmarking

Benchmark your network performance indoors against your competitors.

Understanding how your network's performance compares to the competition in major indoor venues is a critical component of your success. TEMS Pocket supports multiple device testing along with RF scanning in a highly portable format (fits in a backpack) so you can benchmark your network against the competitors. When integrated with TEMS™ Cloud, you can easily reuse your test scripts and control your indoor benchmark teams from a back office to ensure maximum accuracy and efficiency.

Drone-based mobile network testing

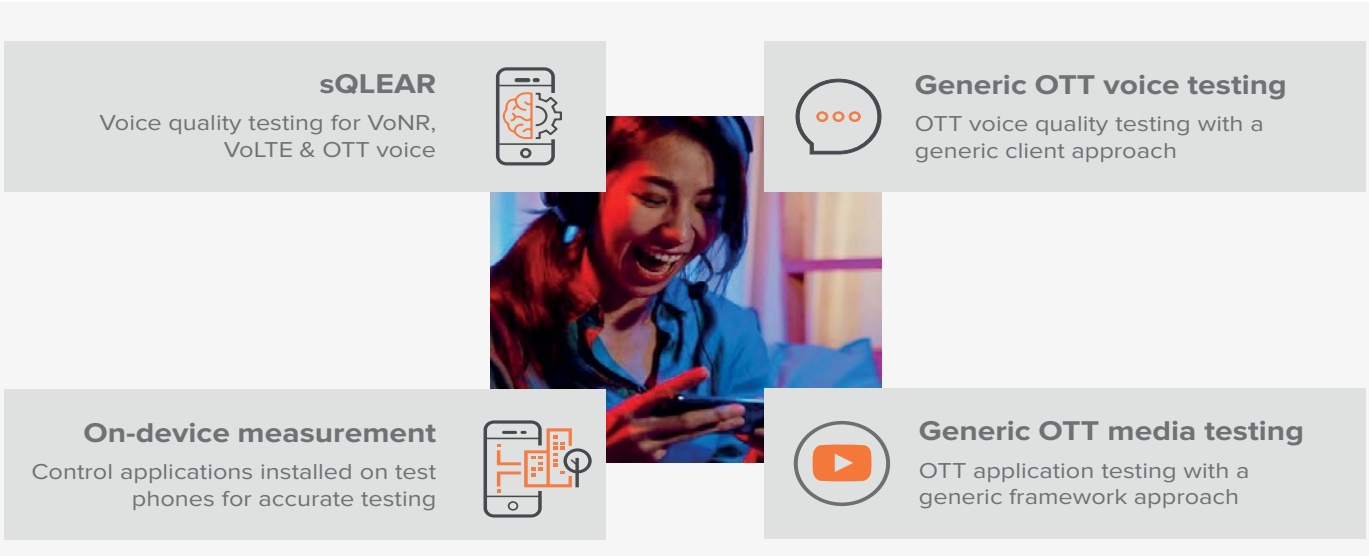
Safely and quickly test your network in even the hardest-to-reach areas.

Mobile network testing can be difficult if your coverage area has limited accessibility. With the emergence of 5G and industrial IoT, many more potentially dangerous industrial sites will need testing. TEMS Pocket, with its mobile phone form factor, can easily be mounted to a drone to enable you to perform tests in hard-to-reach places. Drone testing can also drive efficiency as it is often faster than walk testing when validating coverage in large stadiums or along popular tourist beaches.

User experience testing

Accurately measure QoE for all native and OTT applications and services

Your network needs to successfully support a vast array of services, everything from simple text messages to services characterized by demanding requirements such as high bandwidth (e.g. 4K video streaming) or very low latency (e.g. e-gaming). TEMS Pocket's user experience testing capabilities enable you to understand and improve the user experience for all applications and services. It includes solutions for native and OTT voice services, OTT applications, and on-device application control.



Take a generic OTT testing approach

These days, app and service performance is critical to satisfaction subscribers. However, it is not feasible to validate the performance of the thousands of apps and services available to ensure they are all performing well. A generic OTT testing approach, as employed by TEMS Pocket, provides a practical and cost-effective approach which closely mimics real apps and services. It delivers trustworthy results that are highly correlated to real-world testing, providing you with confidence that the network will deliver the expected user experience across all apps and services.

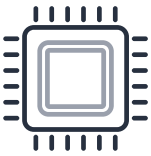
A few TEMS Pocket highlights

Extensive device support

Agreements with leading handset manufacturers including Samsung, OnePlus, Xiaomi, Sony, Asus and more enable Infovista to support full logging capability across a vast array of devices.

Scanner support

Support for PCTEL scanners provides device independent RF measurements. PCTEL's iBflex scanner is the perfect lightweight scanner for backpack use or for mounting on a drone.



Comprehensive chipset support

Agreements with major chipset vendors including Qualcomm, Samsung and Huawei means faster time to market for new devices and highly accurate Layer 3 message decoding.

Remote control

TEMS Pocket handsets can be remotely controlled allowing engineers to orchestrate tests on units mounted in vehicles or carried by non-technical people.

Device monitoring

5G test cases are resource intensive and smartphones often respond by CPU throttling to protect themselves, negatively impacting test results. TEMS Pocket generates alarms to warn users of performance affecting device conditions so mitigating action can be taken.

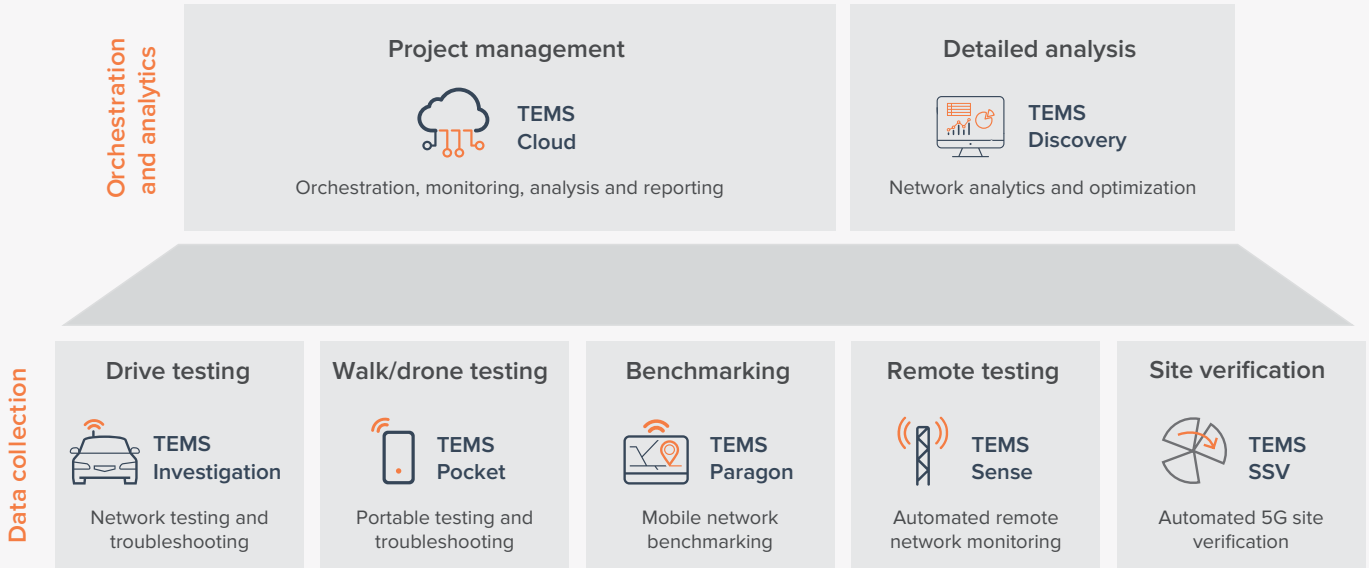
Scripting for automated service testing

TEMS Pocket features powerful scripting capabilities for flexible and efficient creation of test scripts to automate and simplify data collection and service testing.

Part of the Infovista TEMS Suite for mobile network testing

The TEMS Suite is our portfolio of solutions that allow you to address every aspect of testing and troubleshooting your network from a subscriber's perspective, whether it be just 5G or a combination of multiple technologies. If you are looking to verify the performance of new 5G sites, walk test strategic indoor locations, benchmark your network performance against your competitors, or any one of numerous other network testing use cases, TEMS has a solution to meet your needs.

- **TEMS Cloud –** manage your network test projects with real-time control and analytics
- **TEMS Investigation –** perform drive tests to verify, optimize and troubleshoot all your mobile network technologies
- **TEMS Pocket –** walk test indoor locations and drone test hard-to-reach places
- **TEMS Paragon –** streamline your mobile network benchmarking campaigns
- **TEMS Sense –** proactively monitor your wireless network services end-to-end with active testing
- **TEMS SSV –** automate site acceptance for faster 5G roll-outs with fewer personnel
- **TEMS Discovery –** turn your network test data into analytics and actionable insights for optimization



Learn from more use cases

Improve reliability

TEMS Pocket Backpack v4 supports up to 12 devices in a climate-controlled environment.

Watch a run-through of the latest features and functionality.

Discover the solutions to elevate your network management

Indoor mobile network testing

Discover how to optimize indoor network performance with TEMS Pocket. Download now!

Download Use Case

Dual SIM testing

Discover TEMS Pocket's Dual SIM Dual Standby feature for efficient testing. Manage, control, and record data from two SIMs seamlessly.

Watch Video

Contact Us