

Pilot Scout

24/7 Remote Network Measurement and Monitoring

Pilot Scout is a portable, multi-technology test solution designed for remote, unattended operation. Its compact and lightweight design makes it perfect for both small installation spaces and large-scale deployments across expansive network areas. Remotely managed via Pilot Fleet Edge, Pilot Scout allows real-time monitoring and control of test services from anywhere with internet access.

Whether mounted in fixed locations like airports and stadiums or in mobile environments like taxis and public transport, Pilot Scout delivers continuous network monitoring and real-time analytics. This proactive testing approach ensures potential network issues are detected and addressed early, delivering the high-quality experience subscribers expect.



Highlights

- ◆ 24/7 automatic wireless network testing and monitoring.
- ◆ Built-in GPS, Wi-Fi, and wireless test modules for uninterrupted, stable data collection.
- ◆ Remote management, real-time test plan scheduling, and network quality monitoring.
- ◆ Ultra-compact and lightweight, enabling easy installation in both indoor and outdoor fixed-point deployments.
- ◆ Ensures early detection of issues, reducing troubleshooting time and costs.

Features & Benefits

Robust, Reliable Hardware for Uninterrupted Operation

Engineered for stability, our solution integrates built-in wireless test modules with a high performance CPU for efficient, low-power operation. Its large-capacity, high-speed storage ensures long-term data retention and logging.

Designed for unattended operation, it incorporates intelligent temperature and power management, enabling 24/7 data collection.

Comprehensive SLA Monitoring for Multiple Technologies and Service Testing

Scout is a portable test and measurement solution designed for multi-service testing, supporting 5G NR, LTE, WCDMA, NB-IoT, and more. It accurately evaluates key performance metrics—such as VoNR, VoLTE, POLQA MOS, HTTP, FTP, Video Play, Speed Test, and SMS — to ensure your network consistently meets or exceeds SLA standards.

With Scout, businesses simplify the complexities of radio network management while gaining the tools needed for reliable, end-to-end service assurance.

Distributed Coverage & Centralized Control

Distributed test probes are strategically positioned throughout your network for comprehensive monitoring. Probe administration and data transfer are seamlessly managed via a central server, while system control—including report generation—is handled effortlessly through any web browser.

As an unattended solution, Pilot Scout requires no daily management or specialized network expertise, making it an ideal choice for businesses of any size.



Shopping Mall/Gov building



Large event venue



Smart factory



Smart mining



Hospital



Vehicles



UAV

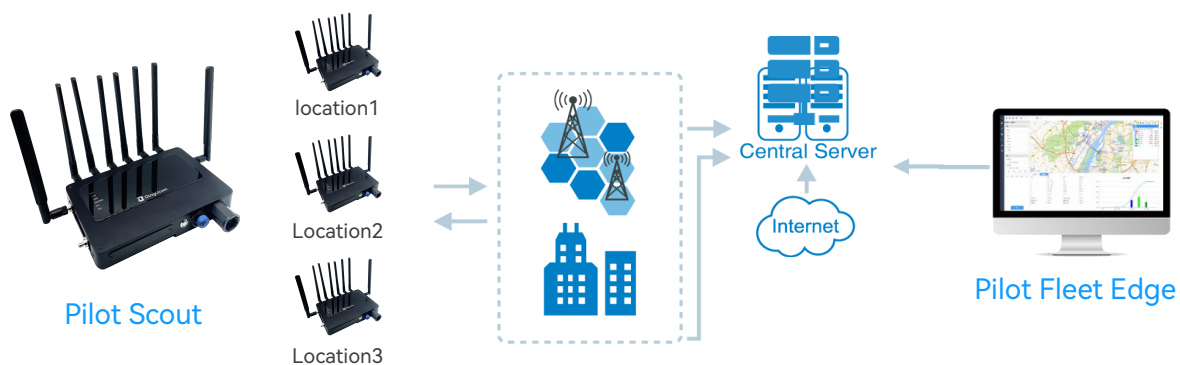
24/7 Monitoring and Service Assurance

Pilot Scout maintains seamless TCP/IP communication with the Pilot Fleet Edge central server. Upstream, it reliably uploads test results, measurement data, and alarms; downstream, it receives commands and test tasks in real time.

This bidirectional, automated communication enables unattended, large-scale measurements in high-traffic locations, ensuring superior network service quality and proactive performance assurance.

Highest Efficiency through Automation

Pilot Scout leverages automation to streamline network testing and reduce costs. Unattended probes deployed on fixed sites or existing fleets eliminate the need for dedicated field personnel, freeing your team to focus on complex issues. Real-time data processing ensures continuous, accurate measurements that accelerate troubleshooting and network development.



System Architecture of Automation