

Pilot Fleet Edge

Centralized Cloud Remote Management and Post-processing



Pilot Fleet Edge is a powerful cloud-based platform designed for centralized remote monitoring and post-processing of measurement devices. It seamlessly integrates Pilot products, measurement processes, and testing data into a single end-to-end solution, enabling significant OPEX savings through automated management and monitoring.

Pilot Fleet Edge provides real-time visibility into testing progress, facilitating the remote management of multiple network testing projects from a centralized back-office. The platform also offers comprehensive data analysis and generates customizable reports, designed to enhance operational efficiency and reduce network testing costs.

Highlights

- Web-based remote monitoring and post-processing
- Real-time measurement devices control and monitoring
- Supports centralized management to improve testing quality and reduce costs
- Remote management of multiple network test projects
- Tailored test result analysis and custom reporting

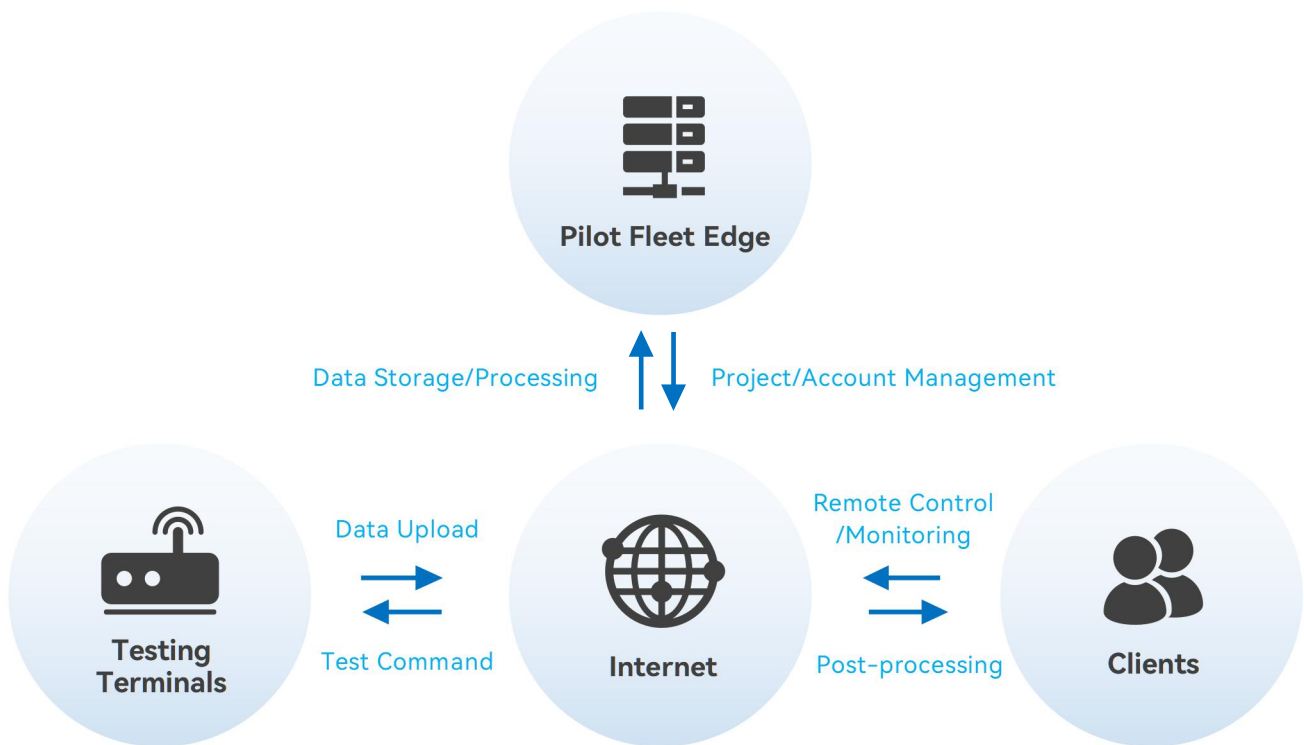
Features & Benefits

Powerful Analysis Solution

- **Efficient Data Preprocessing:** Reduces data processing time, accelerates report generation, and improves work efficiency, helping identify network issues and optimize solutions.
- **Optimized Storage:** Automatically decodes test data, minimizing storage space, and stores data in various raster formats for later analysis.
- **Scalability:** Supports up to 1,000 devices and 100 users online simultaneously, catering to large-scale testing needs.
- **Data Processing:** Decodes 4GB of test data and stores 1GB per hour. (Consult Dingli's technical support for hardware/software recommendations)

Automated Network Testing Project Management and Post-processing

- **Streamlined Project Management:** Remotely manage multiple network testing projects with real-time control and monitoring
- **Custom Reports:** Generate network performance reports tailored to specific user requirements
- **Efficiency and Cost Saving:** Enhances testing efficiency, streamlines operations, and reduces OPEX through automated post-processing



Autonomous Testing System Architecture

Unified Data and Device Management

Pilot Fleet Edge efficiently manage large data volumes with user-defined queries and historical trend analysis for network optimization. It supports all Pilot series testing products, including:

- **Pilot Matrix and Pilot Scout:** Automated drive testing
- **Pilot Walktour:** Portable testing
- **Pilot Walktour Pack:** Portable multi-network benchmarking
- **Pilot Pioneer:** Traditional drive testing
- **Pilot Performer:** Lab network automation

Real-Time Monitoring

- **Device Status:** Monitor device online status and working conditions.
- **Abnormal Alerts:** Detect and alert on abnormal network events.
- **Test Tracking:** Real-time monitoring with track overlay display of test events and parameters.
- **System Alarms:** Server-side operation alarms for immediate attention.

Versatile Reporting Capabilities

Pilot Fleet Edge offers robust reporting capabilities, including data preprocessing and statistical reports with various templates.

- **Comprehensive Coverage:** Supports statistics for all network standards and service testing.
- **Database Reports:** Provides database integration for detailed statistics.
- **Multi-Dimensional Analysis:** Supports multi-dimensional indicator analysis.

Comprehensive Network Big Data Analysis

Pilot Fleet Edge offers robust big data analysis, capable of processing 2T of daily decoding data with rapid query performance.

- **Comprehensive Analysis:** Analyze files, cells, sampling points, grids, services, and events.
- **Customizable Queries:** Flexible filtering, output, map styles, and chart customization, with support for SQL structured conditions.
- **Multi-Dimensional Insights:** Supports multi-dimensional test data queries and network-wide analysis of weak coverage and poor quality.
- **Data Playback:** Offers Web-based online data playback and indicator fluctuation analysis.
- **Data Verification:** Includes data file validity checking and re-decoding, re-analysis, and re-entry through the web.

Explore more at: <https://telecom.dingli.com>

For inquiries on our products, applications, or services, reach out to your local Dingli representative.