

OPTis-Auto

Multiple-Phone based autonomous data collection solution remotely controlled through web-based GUI for wireless voice, MOS, data networks

OPTis-Auto is a real time, remotely controlled, multiple Mobile/PCMCIA card phone-based automatic data collection tool supporting a variety of wireless technologies (IS-95 A/B, 1xRTT, EVDO, DO-Rev A, iDEN, GSM, GPRS, EDGE, UMTS, HSDPA and WiMAX/Wibro). A user can control multiple OPTis-Auto units remotely through the easy-to-use web-based GUI. Once powered, no user interface is required. OPTis-Auto is fully automated from the collection of data to transmitting collected data to an ftp server. It is a cost effective solution designed to significantly reduce OPEX.

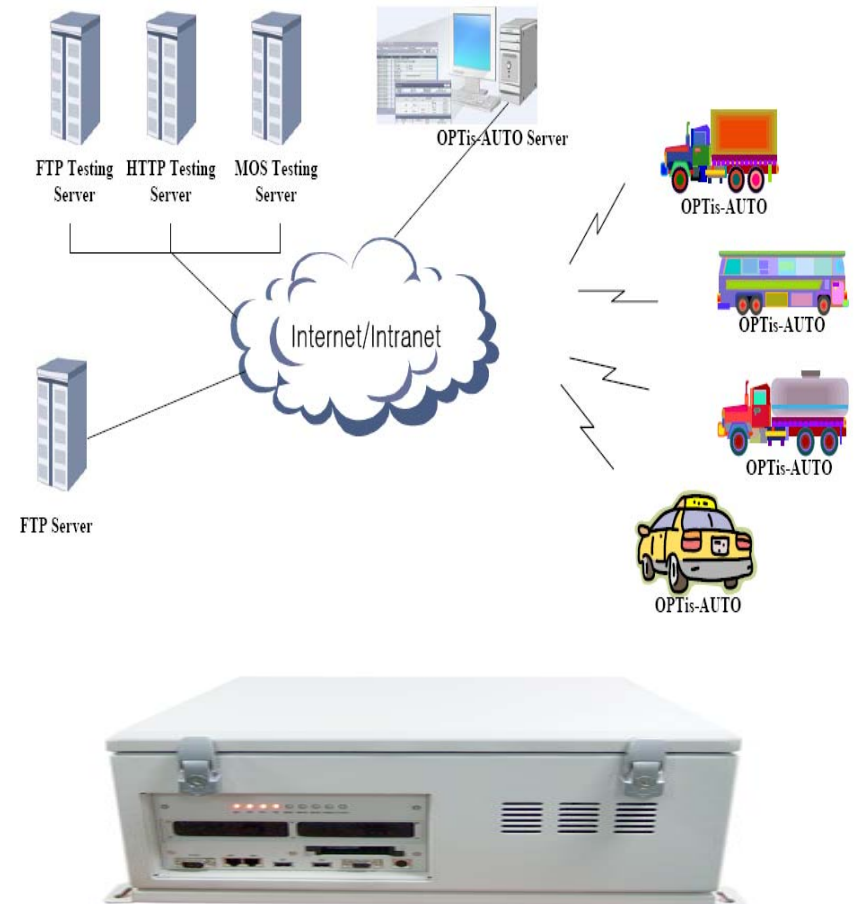
OPTis-Auto enables service providers, network vendors and engineering consulting firms to troubleshoot, maintain, optimize and benchmark wireless voice/data systems with one revolutionary new tool while at the same time minimize cost.

The diverse phone interface of serial, USB and PCMCIA connections provides powerful compatibility for various mobile phones, PCMCIA Air Cards and PN Scanners. WirelessLogix has the ability to quickly support the interface for new mobiles and PCMCIA cards.

Logging and decoding both CAI message of layer 1, 2, 3 and packet data of AT command, LCP, PAP/CHAP, IPCP, IP, TCP, UDP, FTP, HTTP, ICMP, RTP, SIP with a synchronized time-stamp enables the user to rapidly identify problems in the wireless data systems and networks.

Key Features

- Fully automated from data collection to transmitting collected data to an ftp server
- Real-time uplink data streaming while OPTis-Auto is collecting data in the field
- Web-based GUI allows user to control OPTis-Auto remotely anywhere in the world and shows the current status of OPTis-Auto
- Support multiple wireless technologies: IS-95 A/B, 1xRTT, EVDO, DO-Rev A, iDEN, GSM, GPRS, EDGE, UMTS, HSDPA and WiMAX/Wibro (802.16d/16e)
- Simultaneously supports 4 phone interfaces and/or PN Scanner plus telemetry phone
- Instantaneous measurements of voice, data with GPS
- Support Mobile/PCMCIA card phones
- Qualcomm, Nokia and Motorola chipset
- Simple phone interface, log masking and multiple test scenario options
- Call types available: Voice call of Mobile to Mobile, Mobile to Land, Land to Mobile, data call of FTP (upload/download), HTTP, PPP, Ping and Trace Route
- Supports MOS with PESQ ITU 862.1 (Mean Opinion Score) algorithm
- Configure and lock the testing mobile to different modes, bands, channels, etc...
- Customizable TCP Window Size, MTU, etc. directly from web-based GUI interface



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