



# Protocol Analysis

*S***TINGA Protocol Analyzer** is the ideal tool for ad-hoc network monitoring and analysis. It makes it possible to test and verify network elements, network services and network performance, which are important for ensuring Quality of Service (QoS), network reliability, interoperability between network elements and user satisfaction. Based on customer feedback, *STINGA Protocol Analyzer* from UTEL SYSTEMS are proven to be easy-to-use, which results in time-effective analysis and reduction of cost.



## STINGA Protocol Analyzer

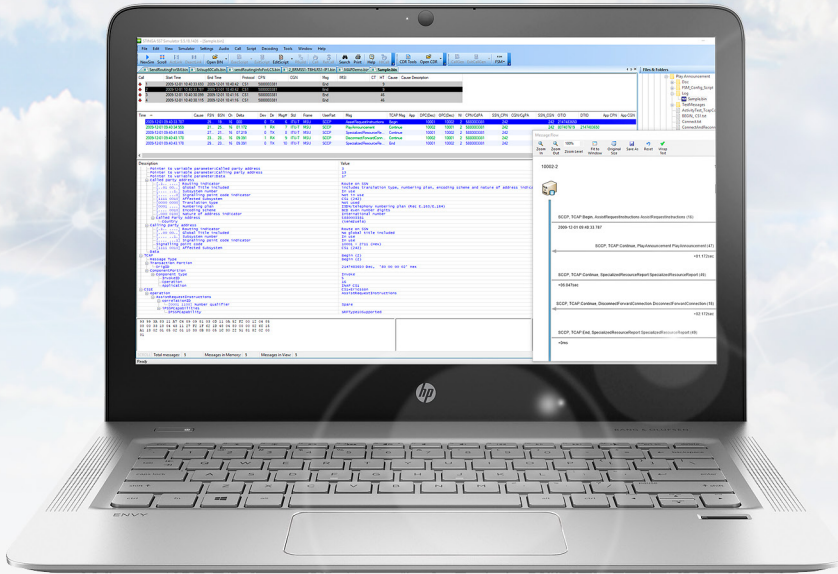
**STINGA Protocol Analyzer** is a stand-alone real-time protocol analyzer – a complete system of software and hardware to monitor network traffic over mobile, IP and TDM interfaces.

Telecommunication networks are becoming more complex, new services are introduced continuously, the amount of traffic increases dramatically and the demands on quality

## Features

- Mobile, IP and TDM networks protocol analyzer
- Multiple Ethernet and E1/T1 interfaces
- Windows-based notebook and desktop solutions
- Real-time monitoring, decoding and statistics
- Advanced filtering
- CDR generation
- Easy-to-use





just gets higher and higher. In a competitive market, monitoring network signals, network protocols and network behaviour is more important than ever. For network operators and service providers, STINGA Protocol Analyzer is an essential tool in ensuring Quality of Services (QoS) and good user experience.

## Gain better control

STINGA Protocol Analyzer helps network operators and service providers to meet new challenges. Monitoring networks with STINGA Protocol Analyzer give network operators and service providers a true assessment of network signals and performance. These detailed network data are useful in terms of becoming more proactive, gain better control over own networks, and ensuring the network is delivering on its premises. The monitored data can work as a basis for network planning, analysis of customer experience, protocol analysis, and network surveillance etc.

## Benefits

- Resolve your network issues before anyone notice
- Better control of own networks.
- Efficient monitoring tool
- Easier to discover protocol irregularities
- Improves Quality of Service
- Fraud detection
- Billing and accuracy verifications
- Easy-to-use

## Interfaces

- 1GE
- E1/T1/J1

## Networks

- LTE, VoLTE
- UMTS
- EDGE
- GPRS
- GSM
- CDMA
- SS7oTDM
- SS7oIP/SIGTRAN
- SS7oRUDP
- SS7oRTP
- VoIP: SIP, SIP-T/SIP-I, SDP, H.323, MGCP, Megaco/H.248
- Access: ISDN PRI, Q.SIG, DPNSS/DASS2, V5.1/V5.2