

The Windows-based STINGA product family covers a wide range of stand-alone protocol analyser and simulator products. Both notebook and desktop-based solutions are available. Protocol stacks like SS7oTDM (E1/T1/J1), SS7oIP, SIP, SIP-T, SIGTRAN, BICC, V5.1/V5.2, ISDN PRA, ISDN BRA, DPNSS/DASS2, Megaco/H.248, MGCP and PNNI are supported.

The STINGA Mobile Monitor product is a protocol analyser for real-time GSM/EDGE and CDMA A-interface and GSM/EDGE Abis interface monitoring, decoding and statistics over E1/T1/J1.

This product is suitable for protocol analysis in mobile networks, error tracking, network surveillance, network maintenance and more.



## FEATURES

- GSM/EDGE and CDMA A-interface monitoring over E1/T1/J1
- GSM/EDGE Abis interface monitoring
- Supporting A and Abis interfaces in GSM/EDGE Radio Access Networks (GERAN) monitoring over E1/T1/J1
- Real-time monitoring, decoding and statistics
- Multiple E1/T1/J1 line interfaces supported
- Simultaneous monitoring of multiple timeslots
- Advanced filter and search functionality
- Hex decoder
- ITU and ANSI protocol standards supported
- E1/T1/J1 PCMCIA and PCI cards available
- Running on Windows Vista/XP/2003 Server/2000

The next goal for this new product will be support for IP and SDH STM-1 ATM AAL5 interfaces, making it possible to do protocol analysis in both UTRAN, GERAN, UMTS, EDGE & GPRS Core Networks, CDMA, IMS and MMD. Then it will be possible to monitor interfaces like Iub, Iu-CS, Iu-PS, Iur-g, Iur, Mc, Nb, Nc, Ga, Gc, Ge, Gf, Gi, Gn, Gp, Gr, Gs and more.

The STINGA SS7 Monitor may already be used for protocol analysis at C, D, E, F, Gc, Gf, Gr, Ge, Lc, Lg, and Lh interfaces.

## SPECIFICATIONS

- E1/T1/J1 interfaces
- E1/T1/J1 alarm signals and link status
- MTP (ITU, ANSI, Japan TTC, Chinese ITU)
- SCCP (ITU, ANSI, Japan TTC, Chinese ITU)
- GSM/EDGE and CDMA A-interface
  - BSSAP
  - BSSMAP
  - DTAP
  - MM
  - RR
  - CC
- GSM/EDGE Abis interface
  - LAPD
  - BTSM
  - RR
  - MM
  - CC
  - SMS
  - SS

## SOFTWARE & HARDWARE

20545: STINGA Mobile Monitor

20135: PIST-2MP-PRO PCMCIA, 2xE1/T1/J1

20430: PIST-2MI+ PCI, 2xE1/T1/J1

20440: PIST-4MI+ PCI, 4xE1/T1/J1

20125: PIST-8MI+ PCI, 8xE1/T1/J1

20127: PIST-16MI+ PCI, 16xE1/T1/J1

20128: PIST-16MI-Basic-32 PCI, 16xE1/T1/J1

20129: PIST-16MI-Basic-64 PCI, 16xE1/T1/J1

20215: T-Attenuator (monitoring tapping point)

20210/20211: Impedance Converter (75-120ohm)



## CONTACT INFORMATION

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Updated 06.12.2006