

The Windows-based STINGA product family covers a wide range of stand-alone protocol analyser and simulator products. Both stand-alone notebook and desktop solutions, and distributed server solutions are available.

Protocol stacks within traditional, next generation and fixed mobile networks are supported: SS7oTDM, SS7oIP/SIGTRAN, VoIP (SIP/H.323), GERAN/UTRAN, GPRS/EDGE/UTMS Core Network, IMS, cdma2000, ISDN BRI/PRI and V5.

The STINGA SS7 Monitor product is a protocol analyser for real-time SS7 and GSM/EDGE/CDMA A-interface monitoring, decoding and statistics over TDM (E1/T1/J1).

This product is suitable for SS7 protocol analysis, Call Detail Record generation, Quality of Service (QoS) and Network Performance analysis, error tracking, network surveillance, network maintenance and more.



## FEATURES

- SS7 monitoring over TDM (E1/T1/J1)
- SS7 monitoring over ATM HSL over TDM
- GSM/EDGE and CDMA A-interface monitoring over E1/T1/J1
- Real-time monitoring, decoding and statistics
- Multiple E1/T1/J1 line interfaces supported
- Simultaneous monitoring of multiple timeslots
- Call Detail Record (CDR) generation and reporting
- Call Trace view based on CDRs
- CDR search and filtering engine
- Top-down QoS and Network Performance analysis
- Advanced filter and search functionality
- Voice monitoring (PC speakers)
- DTMF detector
- Hex decoder
- Scheduler
- ITU, ANSI, Japan TTC, Chinese ITU and national protocol standards supported
- Multi-user interface to STINGA Monitoring Probes
- Real-time monitoring, decoding and statistics from multiple STINGA Monitoring Probes simultaneously
- E1/T1/J1 PCMCIA, ExpressCard, PCI and PCIe cards available
- Running on Windows XP/Vista/7/Server 2003/Server 2008

## SPECIFICATIONS

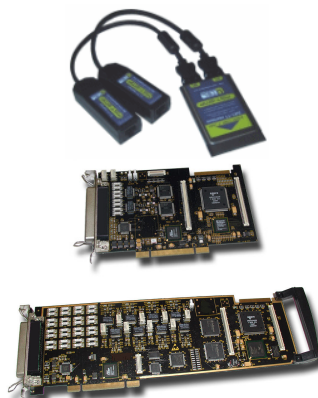
- E1/T1/J1 interfaces
- E1/T1/J1 alarm signals and link status
- ATM HSL over TDM
- MTP (ITU, ANSI, Japan TTC, Chinese ITU)
- ISUP (ITU, ANSI, UK, SPIROU, Japan TTC, Norwegian, Swedish)
- BICC (ITU, UK)
- TUP (ITU, Chinese ITU, SSUTR2, IUP)
- SCCP (ITU, ANSI, Japan TTC, Chinese ITU)
- TCAP (ITU, ANSI)
- INAP (INAP CS1, INAP CS2, Alcatel Core INAP, Ericsson Core INAP, Siemens INAP: SINAP5 and SINAP7, Alcatel INAP CS1+, Ericsson INAP CS1+, British Telecom INAP CS1+, Ericsson Light Weight INAP)
- CAP
- MAP
- SMS
- ANSI-41/IS-41-C/D/E
- IS-637
- IS-826
- IS-848
- GSM/EDGE and CDMA A-interface
  - BSSAP
  - BSSMAP
  - DTAP
  - MM
  - RR
  - CC
- Supplementary Services

## SOFTWARE & HARDWARE

20551: STINGA SS7 Monitor

- 20135: PIST-2-TDM-PCMCIA-PRO, 2xE1/T1/J1
- 20136: PIST-2-TDM-ExpressCard, 2xE1/T1/J1
- 20138: PIST-4-TDM-ExpressCard, 2xE1/T1/J1
- 20124: PIST-2-TDM-PCI-Plus, 2xE1/T1/J1
- 20122: PIST-2-TDM-PCIe, 2xE1/T1/J1
- 20140: PIST-4-TDM-PCI-Plus, 4xE1/T1/J1
- 20126: PIST-8-TDM-PCI-Plus, 8xE1/T1/J1
- 20127: PIST-16-TDM-PCIe, 16xE1/T1/J1
- 20128: PIST-16-TDM-PCIe-Basic-32, 16xE1/T1/J1
- 20129: PIST-16-TDM-PCIe-Basic-64, 16xE1/T1/J1
- 20160: PIST-55x4-ASM (req. by PCI/PCIe cards)

- 20215: T-Attenuator (passive monitor tap)
- 20210/20211: Impedance Converter (75-120ohm)



## CONTACT INFORMATION

### Utel Systems

Jon Lilletuns vei 3  
4879 Grimstad  
Norway

Tel: +47 37046192  
Fax: +47 37046191

Email:  
[sales@utelsystems.com](mailto:sales@utelsystems.com)

Website:  
<http://www.utelsystems.com/>