

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 Simulator product is a protocol simulator/tester for SS7 simulation over TDM (E1/T1/J1) and SS7 simulation over IP through SIGTRAN (SCTP/M3UA).

These products are suitable for SSP, STP, SCP, SGP, and ASP simulation, intelligent network testing, mobile testing, error tracking, interconnect testing, regression testing, conformance testing, load testing/call generation and more.



FEATURES

- SS7 simulation over TDM (E1/T1/J1) and IP (M3UA/SCTP)
- SIP-T simulation
- Multiple E1/T1/J1 line interfaces supported
 - Auto detect layer 1 & layer 2 settings
 - MTP2 protocol machine
 - Multiple MTP links
 - Automatic handling of MTP2 and SMH
- SCTP and M3UA protocol machines
 - Simulating an SGP handling several ASPs
 - Simulating one or more ASPs
 - Multiple routing keys
 - Scriptable handling of M3UA endpoints
 - Scriptable handling of SCTP associations
 - Multiple SCTP associations & SCTP streams
 - CRC-32c and Adler-32 checksum support
- Script-based testing
- Script Editor and Parameter Builder
- Automatic response to incoming messages
- Conformance Test Suite Framework
- Call Generator for Load & Performance Testing
- Voice input/output through PC microphone/speakers
- DTMF generator/detector
- ITU, ANSI, Japan TTC, Chinese ITU and national protocol standards supported
- Application Programming Interface (API)
- E1/T1/J1 PCMCIA, ExpressCard, PCI and PCIe cards available
- Running on Windows XP/Vista/7/Server 2003/Server 2008

SPECIFICATIONS

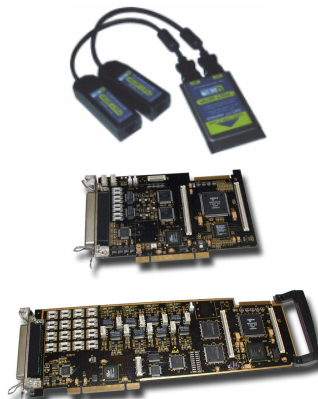
- E1/T1/J1 interfaces
 - E1/T1/J1 alarm signals and link status
 - MTP (ITU, ANSI, Japan TTC, Chinese ITU)
- Ethernet interfaces
 - Ethernet
 - IP
 - SIGTRAN (SCTP, M3UA)
 - SIP-T
- ISUP (ITU, ANSI, UK, SPIROU, Japan TTC)
- BICC (ITU, UK)
- TUP (ITU, Chinese ITU, SSUTR2, IUP)
- SCCP (ITU, ANSI, Japan 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
- IS-41/ANSI-41
- IS-637
- IS-826
- IS-848
- Supplementary Services

SOFTWARE & HARDWARE

20551: STINGA SS7 Simulator, SS7oTDM
 20561: STINGA SS7 Simulator, SS7oIP
 20562: STINGA SS7 Simulator, SIP-T

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
 20160: PIST-55x4-ASM (req. by PCI/PCIe cards)

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



CONTACT INFORMATION

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