

# nexGen SS7 Solution PAGE 1

**ARE YOU**

- . A telecom player building next generation signaling solutions, such as 2G and 3G nodes, NGN nodes, and Intelligent Networks?
- . An application developer targeting high ARPU generating, data-oriented services, such as SMS, Location-Based Services, and Number Portability?

**LOOKING FOR**

- . A next generation SS7 solution to help drive cost savings on CAPEX, maintenance, provisioning, and management
- . A scalable, reliable, and high performance integrated signaling solution to ease application development lifecycle
- . An SS7 solution that supports SGSN, GGSN, MSC, HLR/VLR and Media Gateway Controllers

**THEN**

You need the nexGen SS7 solution from Aricent. The nexGen SS7 solution is a platform solution that allows users to develop applications irrespective of the underlying network and supports both legacy (SS7) and new (SIGTRAN) network infrastructure. nexGen SS7's high performance is powered by HDCII signaling controller card from Adax, which minimises CPU overhead and leaves plenty of processing for other applications.

The solution enables smooth migration to IP Networks and swift introduction of new services, while allowing users to benefit from the reliability of extant legacy networks. Some of the value-added applications that the nexGen SS7 solution can be used for are:

- . Application Platforms for IN, such as 1-800, MNP, and LNP; and CAMEL, such as Prepaid Short Message Service Centers
- . Location Registers, such as HLR and GLR
- . Location Service Platforms, such as GMLC
- . Mobile switches and VLR
- . Wireline switches, such as Class 4 and 5 switches
- . Serving GPRS Support Nodes
- . 3G and IMS applications
- . Base Station and Radio Network Controllers

**VALUE PROPOSITION**

- . Product maturity and leadership in the SS7 and SIGTRAN domain
- . High performance-price ratio that helps to reduce CAPEX outlay
- . Unique Hybrid network architecture offers choice of signaling infrastructures
- . Ensured interoperability
- . 24x7 support services

**CUSTOMERS**

- . Alcatel
- . Apertio
- . Bharti Telesoft
- . Polaris Wireless
- . Vodafone

**CORPORATE OFFICES**

3460 Hillview Avenue  
 Palo Alto, CA 94304-1388  
 USA

Toll Free +1 888 4COMM SW  
 Tel +1 650 391 1088  
 Fax +1 650 391 1089

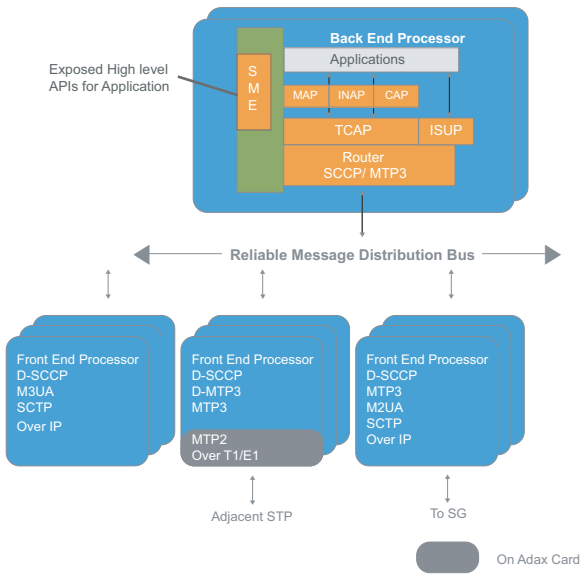
**LOCATIONS**

<b>China</b>	+86 10 5875 4701
<b>Finland</b>	+358 40 555 3509
<b>France</b>	+33 (0)1 56 60 53 56
<b>Germany</b>	+49 911 25270
<b>India</b>	+91 124 234 6666
<b>Japan</b>	+81 44 221 5360
<b>Korea</b>	+82 2 445 9686
<b>Singapore</b>	+65 6233 6830
<b>South Africa</b>	+27 11 293 0500
<b>Sweden</b>	+46 8 601 4106
<b>Taiwan</b>	+886 2 89771667
<b>Ukraine</b>	+380 432 55 0955
<b>United Kingdom</b>	+44 0 208 622 3859

# nexGen SS7 Solution PAGE 2

## ARCHITECTURE

- Signaling Processor - SS7, SIGTRAN, Broadband or combos
- Application Processor - MAP / CAP / INAP with TCAP or ISUP
- Signaling Processor and Application processor are agnostic to each other



Aricent's nexGen SS7 Solution with ADAX Card

## FEATURES

### nexGen SS7

- Ready to use, 'Plug and Play' system with easy to use interface
- 'One step' installation procedure for easy deployment
- Innovative distribution mechanism for high scalability (2 to 2048 links)
- Centralized System Configuration Management for easier system setup
- Command Line Interface (CLI) support, third party management support and redundancy support
- Available separately with flavors of TCAP, MAP, INAP, CAP or ISUP with SS7 links or SIGTRAN links or in a combination of all the above
- Multiple SAP support at SCCP, MTP3, and TCAP
- Flexible load balancing
- Multiple Network Appearance (MNA)
- Highly scalable systems (up to 10000 transactions per second)
- Integrated SME and Distribution for warm redundancy

### HDCII Signaling Card

- Supports up to 124 MTP2 links per card with high line utilization or 42Mb HSL MTP2 links or even a combination of the two
- Available in PCI and PMC formats on PCI, cPCI and ATCA standards
- Facility to install multiple cards per system
- Supports MTP2 PCR and BEC error correction
- Capability to pass PCM voice traffic
- Red, Yellow and AIS alarm detection and externally visible trunk status LEDs

- 4 software selectable T1 or E1 trunks, compliant to G.703/G.704, per card
- RISC processor and Streams environment reduces CPU overhead and maximizes performance
- Transparent field upgrades, without host rebooting, saving downtime

## DELIVERABLES

- Executables: Binaries, Libraries, and Scripts
- Header files
- Configuration files
- User and API manuals
- Warranty and optional annual support plans
- Training and onsite consultancy
- HDCII - PCI Card for T1 / E1 interface

## PARTNER



Signaling Solutions for Converging Networks

### About ADAX

Specializing in signaling infrastructure, Adax offers a complete set of solutions for today's evolving telecommunications networks. Adax products cover all signaling protocols and popular hardware formats to provide the right solution for any signaling requirement. Adax high performance solutions are available for SS7, ATM, and IP protocols in fixed and mobile networks, giving our customers unparalleled flexibility in developing their signaling solutions.

United Kingdom  
+44 (0) 118 952 2800

Aricent is a global leader in communications software, providing strategic solutions that empower billions of people. By delivering the best and most innovative communications software in the industry, we're helping our clients change the world.

We have an extensive portfolio of services and products covering the full spectrum of communications software—from strategic design to implementation in the field. Our uniquely talented team of designers, consultants and engineers work to solve the most complex, high-impact challenges for our clients—the world's leading equipment manufacturers, device manufacturers and service providers.