

MovingMedia® 2000 Sonata SE-SGW (Signaling Gateway)

THE UTSTARCOM SONATA SE – SGW SIGNALING GATEWAY PERFORMS PROTOCOL PROCESSING AND SIGNALING FUNCTIONS FOR UTSTARCOM MOVINGMEDIA® 2000-BASED WIRELESS NETWORKS



- **FAULT-TOLERANT, HIGH-AVAILABILITY ARCHITECTURE**
- **FULL-FEATURED SIGNALING GATEWAY**
- **HIGHLY SCALABLE**
- **SUPPORTS DISTRIBUTED CONFIGURATIONS**

The UTStarcom Sonata SE – SGW Signaling Gateway provides high-performance protocol processing and signaling functions for UTStarcom-based wireless networks. As a key component of the UTStarcom MovingMedia® 2000 architecture, the SGW enables separation of protocol and signaling duties from other tasks in the wireless infrastructure, enhancing operational and resource efficiency, while improving performance.

DISTRIBUTED DEPLOYMENT

Designed for use in load sharing, distributed configurations, SGW components can reside on a single server or be deployed on multiple platforms, depending on network requirements. Deploying protocol components in a distributed fashion provides a variety of benefits, including the ability to redistribute elements to accommodate network and subscriber growth.

HIGH AVAILABILITY SOLUTION

The SGW features fault-tolerant, high availability architecture. Comprehensive redundancy mechanisms ensure high availability through protocol and platform redundancy, enabling the SGW to maintain active calls during software and hardware failures. The SGW supports online configuration and maintenance via the Sonata OMC Operations Maintenance Center. Protocols can be upgraded or added without system downtime.

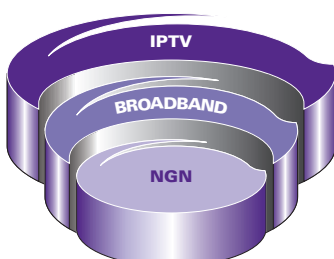
COMPREHENSIVE SIGNALING

The SGW is a standards-based solution (conforming to IETF, ITU, ETSI, and ANSI specifications) that provides full protocol support for wireless services. The system provides SS7 inter-working and performs signaling functions for other products in the MovingMedia 2000 solution suite. The SGW provides MGCP,

Megaco/H.248, and SIP support for media gateway control.

HIGHLY SCALABLE

The SGW can be deployed on the same platform as the UTStarcom Sonata SE — MSC Server. Later, it can be separated and deployed on its own platform to accommodate increased capacity. In addition, protocols can be distributed on available processors to accommodate additional processing loads.



Technical Specifications

OPERATING PLATFORM

SUN MICROSYSTEMS NETRA FAMILY MACHINES

CPCI SPARC BLADES

SUN MICROSYSTEMS SOLARIS VERSION 2.8, 2.9

PROTOCOL SUPPORT

PSTN

ISUP:ITU, ANSI AND VARIANTS

ISDN:PRI

INTELLIGENT NETWORK

TCAP

INAP

CAMEL / CAP*

WIN / IS771*

MEDIA CONTROL

MGCP

MEGACO / H.248

SIP

MOBILITY

GSM/GPRS MAP

RANAP

BSSAP+

GSM MAP

SGSN INCLUDING GTP-U, GTP-C

IS41 D MAP

SIGNALING TRANSPORT

MTP2, MTP3

IUA, SUA

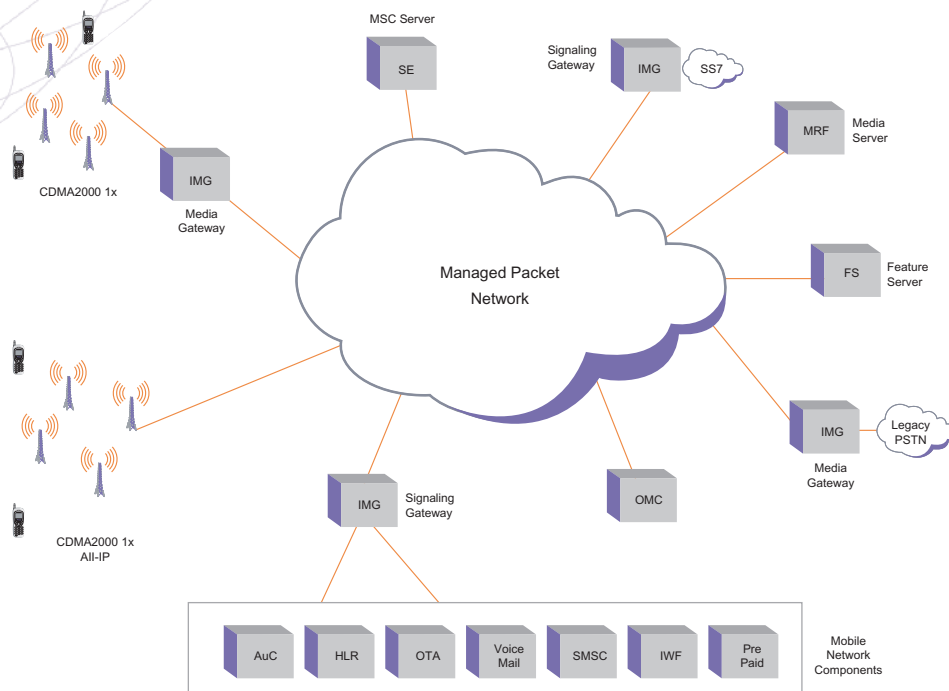
M2UA, M3UA

SCTP, SCCP, SCCP-LITE

SIP-T*

*SUPPORTED IN AN UPCOMING RELEASE

DISTRIBUTED IP-BASED WIRELESS ARCHITECTURE



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About UTStarcom, Inc.

UTStarcom is a global leader in IP-based, end-to-end networking solutions and international service and support. The company sells its broadband, wireless, and handset solutions to operators in both emerging and established telecommunications markets around the world. UTStarcom enables its customers to rapidly deploy revenue-generating access services using their existing infrastructure, while providing a migration path to cost-efficient, end-to-end IP networks. Founded in 1991 and headquartered in Alameda, California, the company has research and design operations in the United States, China, Korea and India. UTStarcom is a FORTUNE 1000 company. For more information about UTStarcom, visit the company's Web site at www.utstar.com

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