

Product Datasheet

Sep. 18 / Rev. 1.52

SVI_GMSC

Gateway MSC



The SVI-GMSC provides MVNO's with a leading edge Gateway MSC product that delivers above and beyond a traditional GSMC to allow rapid service enablement and seamless interconnect between today's DIAMETER, SIP and legacy SS7 networks.

The SVI-GMSC provides greater functionality at a far lower cost than traditional GMSC's enabling MVNO's to:



Integrate with pre / post paid billing platforms / OCS



Enable real-time fraud prevention



Deliver Mobile Number Portability



Utilise on-board Signalling Firewall implementation



Perform customised HLR / VLR / EIR /HSS lookups



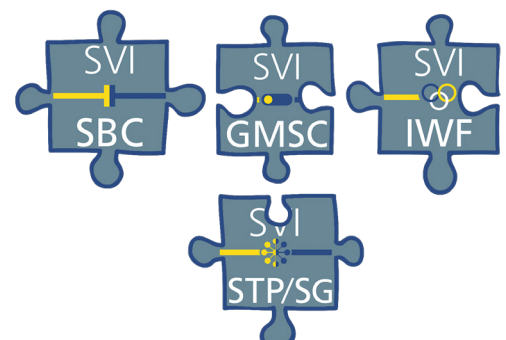
Support for Lawful Interception

FEATURES

- NFV Enabled OTT
- Web based OA&M
- Detailed analytics
- SNMP support
- DIAMETER/ RADIUS
- SIP/SIP-I/SIP-T/H.323
- SS7/ SIGTRAN/CAMEL/MAP/INAP/ ISUP
- Carrier Grade Redundancy
- Comprehensive CDR's

The SVI-GMSC can be delivered as a bolt-on component to Squire Technologies range of SBC, Diameter Interworking Function and STP / SG products insures seamless integration and cost savings for our clients.

- SVI-SBC | Session Border Controller providing SIP integration
- SVI-IWF | Interworking Function providing Diameter integration
- Standalone Mini SVI-STP & SVI-SG for cost effective SS7 integration



SVI_GMSC

Technical Specifications

VoIP Supported Protocols

- SIP Version 2
- SIP-I ITU Q.1912
- SIP-T RFC 3372
- H.323 ITUv2 +v4

DIAMETER

- IETF RFC 6733

RADIUS

- RADIUS AAA

SS7 Dimensions

- SS7 Signalling links - 1024
- Originating Point Codes OPC - 32
- Destination Point Codes DPC - 1024
- Linksets - 64
- A, B, C, D, E, F SS7 Signalling link
- HSL - (High Speed Links)
- M2PA links - 1024

Supported Protocols

- MTP L1-L3
- ITU-T Q.701-707
- ANSI T1-111.1-111.8
- NTT Q.701-704
- JT-Q.701-704
- Chinese GF 001-9001
- PNO-ISC/SPEC/005

SCCP

- ITUT Q711-Q714
- JT-Q711-G714
- ETSI ETS 300 589
- ANSI T1.112

SIGTRAN

- M2UA RFC 3331
- M3UA RFC 3332
- SUA RFC 3868
- M2PA RFC 4165

TCAP

- ITUT Q771-Q775
- ANSI T1.114

CAMEL

- CAP 3GPP TS 23.078

GSM / CDMA

- MAP 3GPP TS 29.002 v3.11.0
- IS-41 TIA/EIA-42-D

OA&M

- Web based GUI and CLI interface
- Remote / Onboard configuration
- Real-time configurable log-files
- Detailed protocol debug
- Wireshark / Ethereal compatible
- Onboard CDRs
- Call Statistics
- Real-time traps and alarms

SNMP

- SNMP Version 2

System Logging

- Real time configurable logging levels
- Detailed protocol debug
- System and exception logs
- User and Admin history

Hardware Options

Support range of COTS servers and depending upon configuration supplied in specialist hardware:

Interfaces

- E1 / T1 / J1 / DS3 / STM-1 / OC-3

Chassis's

- From entry level chassis 1U, 2U and 4U to high availability 8U
- AC + DC PSU supported

Redundancy

Carrier grade reliability supplied through a comprehensive range of high availability options



Support

Squire Technologies provides a range of post-sales support packages to meet our customers requirements and budgets. These range from 6 months web and email support provided free of charge on all purchased products to dedicated 24/7 365 day support.