

Product Datasheet

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SVI-STP

STP Signal Transfer Point



The SVI-STP provides operators with a comprehensive, future proof, Signalling Transfer Point (STP) supporting legacy SS7 TDM, Next Generation IP SIGTRAN and DIAMETER based IMS / LTE / 4G networks.

Supporting a range of delivery options the SVI-STP can be shipped on Commercial-Of-The-Shelf Dell servers with support for physical E1 / T1 / STM-1 interfaces, as a Virtual Machine running in a client data center or as Virtual Network Function running in the Cloud.

The SVI-STP provides powerful routing, screening and extensive redundancy options (including geographic redundancy) out-of-the box. Built in service enablement options allow network engineers to integrate with number portability, firewall and fraud platforms. This carrier grade product sits at the heart of signalling networks reducing network complexity and lowering operating costs. Fully integrated with Squire Technologies Diameter Signalling Controller means deploying the SVI-STP today insures a future proof solution for tomorrows signalling technology.

FEATURES

- Complex Routing Support
- Advanced Gateway Screening
- Cloud Enabled
- Carrier Grade Redundancy
- Feature Rich OA&M

SCALES

- 1K to 100K MSU/s
- 8 to 1024 links

BENEFITS

- ✓ Deployed globally since 2007
- ✓ Comprehensive support for 40+ SS7 country variants and ANSI to ETSI translation
- ✓ In-house expertise enabling rapid migration from EOL platforms Cisco, Siemens, Nortel, Nokia etc
- ✓ Integrated service enablement delivering Number Portability, Firewall Functionality, Fraud Prevention etc
- ✓ Future proof – fully integrated with Diameter Signalling Controller SVI-DSC

SVI-STP

Technical Specifications

SS7 DIMENSIONS

- Low Speed Signalling Links - 1024
- High Speed Links (HSL) supporting Q.703 Annex A and ATM AAL5
- Originating Point Codes OPC - 32
- Destination Point Codes DPC - 1024
- Linksets - 1024
- A, B, C, D, E, F SS7 link support

SUPPORTED PROTOCOLS

SCCP

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

MTP Layer 1-3

- 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

MAP Layer 1-3

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

SIGTRAN

- SCTP RFC 4960 Stream Control Transmission Protocol
- M2UA RFC 3331
- M3UA RFC 3332
- SUA RFC 3868
- M2PA RFC 4165
- IUA RFC 3057

PHYSICAL DIMENSIONS

- Interfaces - E1/T1/J1 OC-3/STM-1/DS3
- Ethernet - 1/10 GbE
- Form Factor - ePCI

OA&M

- Remote / Onboard configuration
- Configuration through GUI
- Real-time configurable log-files
- Detailed protocol debug
- Wireshark / Ethereal compatible
- Onboard CDRs
- Statistics
- Real-time traps and alarms

SYSTEM LOGGING

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

HARDWARE OPTIONS

Chassis options depending on customer requirements

- Range of industry standard 19'
- Standard entry level chassis
- -48 DC and 240 AC

Environmental

- EN55022
- EN55024
- CISPR 22,
- 47 CFR 15 (ANSI C63.4: 1992)

Safety

- BSEN 60950
- EN41003: 1998
- IEC CB Scheme 1950 Third Edition

SNMP

- SNMP Version 1,2 and 3

SUPPORT



Squire Technologies provides a range of post-sales support packages to meet client requirements and budget up to and including 24x7 365 day support.



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