squire technologies
Signalling Specialists to the Telecoms Industry

SS7

VoIP

Leading edge SS7 and VoIP products with world class installation and support services to deliver carrier grade telecom products worldwide
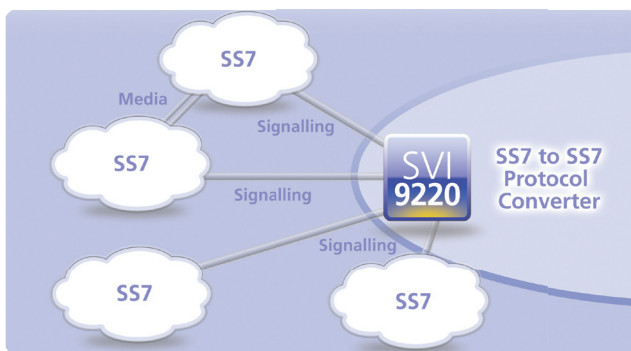
SVI-9220

SS7 Protocol Converter

The SVI-9220 provides, at its core, a powerful, scalable SS7 to SS7 Protocol Converter delivering high performance SS7 Signalling only conversion with support for up to 128 SS7 Signalling links, dual redundancy and fully featured OA&M offered in highly configurable and scalable options, allowing clients to deliver carrier grade SS7 to SS7 signalling services.

Options

- **SS7 Protocol Converter** - Full protocol conversion and inter-working between major SS7 standards ANSI, ETSI, ITUT and 40+ country variants of SS7 ISUP, TUP, NUP. Full support for the ISDN NFAS protocol.

- **SS7 Router** - Offering routing at SS7 MTP / SCCP layers allowing transparent transport of higher layer SS7 ISUP, MAP, TCAP traffic

Benefits

Delivering simultaneous conversion between all variants of TDM and SIGTRAN, the SVI-9220 provides uninterrupted service through full redundancy options offering automatic failover, thereby ensuring carrier grade high availability.

Coupling the above options with a fully featured OA&M interface providing secure remote access, real-time configuration, detailed logfiles and web based system performance monitoring, the SVI-9220 provides a full end-to-end carrier grade SS7 Signalling product solution with worldwide field proven reliability.

www.squire-technologies.com

Features

- Comprehensive web GUI/CLI interface

- SS7 Protocol Conversion

- SS7 Router -> MTP L3 / SCCP

- E1 / T1 / J1 / STM-1 / DS3 Interconnect

- 128 SS7 Signalling Links

- Dual Plane Redundancy for automatic fail-over

- Fully featured OA&M

- Network management over SNMP

- Remote management

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Make the switch

* Due to ongoing revision of our products, images may vary.

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Technical Specifications

Physical Dimensions

- **Physical Interfaces**
  E1/T1 J1 (configurable)
- **Scaling**
  2 to 128 SS7 Signalling Links
- **Form Factor**
  PCI
- **Chassis**
  1U - Telco Standard

SS7 Dimensions

- SS7 Signalling links - 128
- Originating Point Codes OPC - 32
- Destination Point Codes DPC - 1024
- Linksets - 128
- A, B, C, D, E, F link support - Yes

SIGTRAN

- SCTP RFC 2960
- M2UA RFC 3331
- M3UA RFC 3332
- SUA RFC 3868
- M2PA RFC 4165
- IUA RFC 3057

Redundancy

- 1 + 1 Dual Plane worker/standby
- Automatic fail-over
- Single IP - VIP address

Network Security

- Integrated Firewall
- Username, password protected
- Secure external protocols
- Reports on unauthorised access

SS7 Supported Protocols

- **ISUP**
  ANSI ISUP - T1.113.1 to T1.113.4
  GR-246, Telcordia ISUP (T1.113.1 to T1.113.4)
  IITU ISUP - Q.761-Q.764
  Blue & White Book
  TTC - JT- Q761-Q764
  ETSI ISUP- EN 300 356-1
  China YDN 038 China
  French SSURF (SPIROU)
  Australia ACIF AG500
  Belgium C2122 Ed.2
  Finland SFS 5779
  Germany ZZN7 3.0.0
  Hong Kong HKTA 2202
  Italy Specifica Tecnica N.763
  Mexico NOM-112SCTI
  Sweden 8211-A335, 8221-A325
  UK PNO-ISC/SPEC/007
  Russia ISUP-R
  Kazakhstan ISUP-K
  New Zealand PTC
  Lithuanian
  Brazilian 210-110-724
  Swiss
  Pakistan
  Spanish
- **TUP**
  ITU TUP Q721-Q725
  SSUTR2 V11-T 1998
  Chinese GF 001- 9001
  Brazil
- **IUP**
  UK PNO-ISC/SPEC/006
- **SCCP**
  ITUT Q711-Q714
  JT-Q711-G714
  ETSI ETS 300 589
  ANSI T1.112
- **TCAP**
  CNAM ANSI T1.641-1995 (R2004) Calling Name Identification Presentation
  LNP GR-1936-CORE

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

Hardware Options

- **Chassis options depending on customer requirements**
  Standard entry level chassis 1U
  Hardware High Availability 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

Support

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

Visit www.squire-technologies.com

For further product information on SS7 VoIP products for carriers, operators and service providers, plus case studies and customer testimonials.

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Partners & Resellers

Squire Technologies are actively building partnerships globally.

Contact us for information about resellers in your country, or find out how to establish a channel partnership.

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