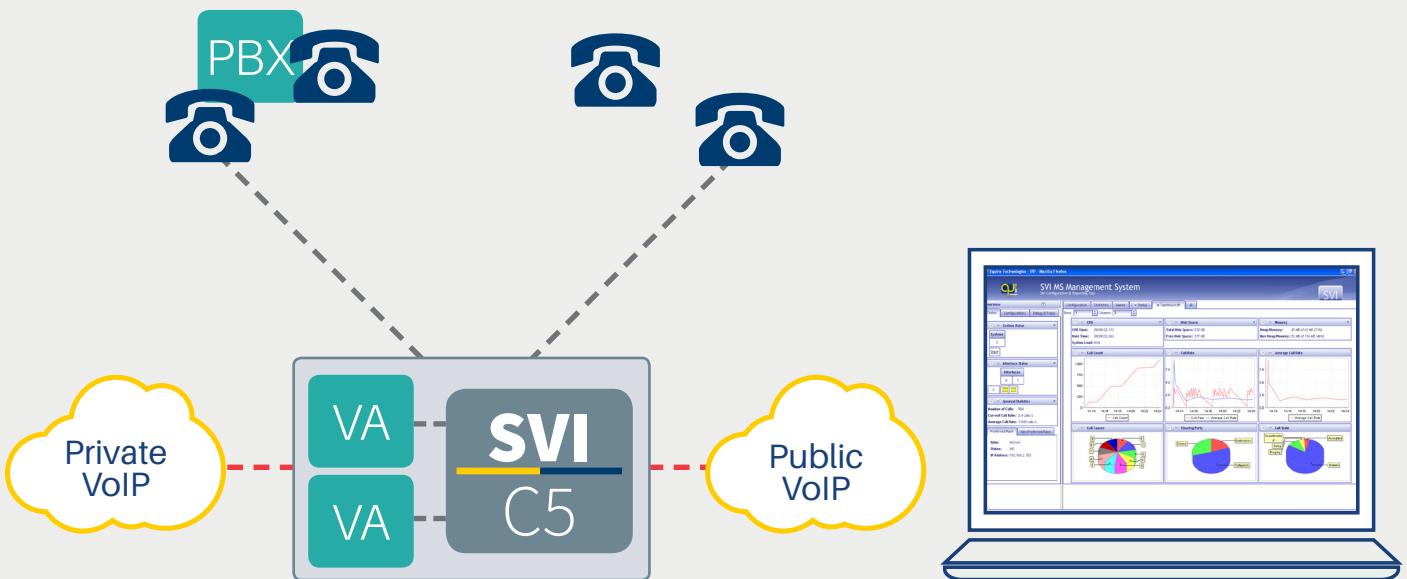


Product Datasheet

Jul. 14 / Rev. 1.0

SVI_C5 Softswitch

Class 5 Softswitch



The SVI_C5 is a Carrier Grade Class 5 Softswitch with an in-built Session Border Controller. It offers comprehensive Class 5 features, has approval from major international operators and includes a white-labelled subscriber web portal.

Benefits

The Class 5 Softswitch is a carrier grade softswitch solution, provided with SBC functionality and in a dual-redundant formation, to make it one of the most secure and resilient Class 5's available. Provided with all the features you'd expect with a Class 5 Softswitch such as Voice Announcements and Voicemail, it is ideal for companies looking to provide VoIP services, either via direct connections or working with PBX systems.

The SVI_C5 comes with a subscriber web portal which enables users of the Class 5 access to functions relating to their subscribers. This gives the user

control over their forwarding, blocking, voicemail settings, as well as the ability to view and download their call records and current account details.

The SVI-C5 also comes with a built-in Session Border Controller, which polices real-time traffic between IP network boundaries ensuring your private network is always available, secure and fully manageable. To add to this protection, the Management System (SVI_MS) and the Web Portal are both protected by integrated firewalls, with usernames and passwords needed to gain access.

Features

- Unconditional Forward
- Forward on Busy
- Forward on No Answer
- Reject Anonymous Call
- Caller ID
- Speed Dials
- Selective Call Acceptance
- Selective Call Rejection
- Fixed Line Dialing
- Do Not Disturb
- Call Back On Busy

SVI_C5

Technical Specifications

VoIP Supported Protocols

- **SIP**
 - RFC 3261 Session Initiate Protocol
 - RFC 2976 SIP INFO Method
 - RFC 3398 ISUP-SIP Mapping
 - RFC 3515 Refer Method
 - RFC 3578 Overlap
 - RFC 2327 Session Description Protocol
 - RFC 3581 An Extension to the Session Initiation Protocol (SIP) for Symmetric Response Routing
 - RFC 3665 Session Initiation Protocol (SIP)
 - Basic Call Flow Examples
 - RFC 3666 Public Switched Telephone Network (PSTN) Call Flows
 - RFC 3892 Referred-By Mechanism
 - RFC 3891 "Replaces" Header
 - RFC 4566 Session Description Protocol
 - RFC 5806 Diversion Indication in SIP
 - RFC 3326 The Reason Header Field
 - RFC 2543 Session Initiation Protocol
 - RFC 3262 Reliability of Provisional Responses
 - draft-levy-sip-diversion
 - draft-ietf-sip-privacy
- **SIP -T**
 - RFC 3372 Session Initiation Protocol for Telephones (SIP-T)
- **SIP -I**
 - ITU Q.1912 for ISUP/C7-to-SIP interworking
- **H.323**
 - IITU Version 2 and 4
 - Fast and Slow Start
 - Gateway and Gatekeeper interconnect

Scalability

- Supports from 500 to 20,000 simultaneous calls
- Simple license key upgrades

Redundancy

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

Intelligent Call Management

- Called/Calling Party Number
- Originating Route
- Time of Day / Week
- Reattempt on alternative routes
- Call blocking
- Digit Manipulation
- Protocol Manipulation

Network Security

- Onboard NAT / PAT and Firewall
- NAT / Firewall traversal
- NAT and PAT network topology hiding
- Registration and Authorisation on a per call basis

Network Monitoring Add-on

- Call statistics (Ingress, egress)
- ASR, PDD, ACD, QoS (native and SNMP)
- CDR analysis
- SNMP Version 2

Billing

- CDR - CSV format for easy analysis
- Automated FTP upload
- RADIUS - RFC 2139, 2138 Cisco VSA compliant
- Integrated Wholesale Billing Platform

RTP Routers

- Media Proxying
- RTP Proxying
- RTP processing load sharing on distributed architecture

System Logging

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

Delivery Options

Boxed Product

- Squire ships the Softswitch to you preconfigured and installed on a Squire Technologies 1U Server.

Remote Software Install

- The Softswitch is installed remotely over IP.

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