

Security Edge Protection Proxy

Deploying the advanced 5G SVI-SEPP provides tighter security and normalisation

From the edge of the 5G SA core network, the Security Edge Protection Proxy enables secure exchange of the authentication, authorisation, and subscriber policy. Unlike 4G, security is built into 5G through the 3GPP standards and the SEPP.

The 5G SVI-SEPP enables topology hiding, message normalisation and filtering, DOS and DDoS protection, load balancing and congestion control functionality for 5G PLMNs (Public Land Mobile Networks) transmissions.

Features

- Topology Hiding
- Message Filtering
- Message Normalisation
- Admission Control
- DoS, DDoS Protection
- Transport over TLS/SPSecn
- Onboard Firewall
- Overload Protection

To find out more:

Scan the QR code to contact one of our experts

Visit - www.squire-technologies.co.uk

Email - enquiries@squire-technologies.com



SVI-SEPP



Advanced core network security with 5G Edge Protection Proxy

The secure-by-design SVI-SEPP provides future-ready authorisation, authentication, and subscriber policy security across 5G SA core networks.

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SVI-SEPP Specifications

Scalability

Scale up to 100,000 Transactions Per Second (TPS) through simple license based upgrades.

Network

IPv4 | IPv6

Transport Protocol

HTTP/2 | TLS | TCP | IP | L2

GSMA Guidelines

NG.113
FS 36 5G Security

Protocol Support

HTTP/2 | DIAMETER | RADIUS | SS7 |
SIGTRAN | HTTP | SOAP | REST | XML | SQL

SEPP Interface Support

N32, N24, N12, N8, N31, N16,

Diameter Interface Support

Sh, Sd, Sy, Dh, Rf, Ro, Re, Cx, Dx,
Sp, Rx, Gx, Gy, Gz Gq, Gi, SGi, Zh,
Dz, Zn, Zn', Dw, Wa, Wd, Wx, Wm,
Wg, Pr, Wm, Gmb, Mz, Bi, MM10, Ty,
Tx, S6a, S6b, S6d, S7c, S9, S13/S13',
Gxa, Gxb, Gxc, SWa, SWd, SWn, SWm,
SWx, Sta, H2, Gq', E2, E4, E5, Re, A4,
Rr, Zh, Zn, Cx, Dx, Pkt-laes-2, P-CSCF- PAM ,
Pkt-mm-2, TC-6, TC-7, TC-8, TC-9, TC-10,
TC-11, DB-0, DB-2, BI-1, LOC-1, Rw, Rs

5G General Specs

SEPP Specs

3GPP TS 29.500v18.5.0 | 3GPP TS 29.501

3GPP TS 33.517 SCAS/SEPP
3GPP TS 33.501
3GPP TS 29.573

SIGTRAN Support

RFC 4960 Stream Control Transmission
Protocol
RFC 3331 Signaling System 7 (SS7)
Message Transfer Part 2 (MTP2) -User
Adaptation Layer (M2UA)
RFC 3332 Signaling System 7 (SS7)
Message Transfer Part 3 (MTP3) – User
Adaptation Layer (M3UA)
RFC 3868 Signaling Control Part User
Adaptation Layer (SUA)
RFC 4165 Signalling System 7 (SS7)
Message Transfer Part 2 (MTP2)
User Peer-to-Peer Adaptation Layer (M2PA)
RFC 3057 ISDN Q.921-User Adaptation
Layer (IUA)

Performance

TPS	100,000
% CPU Usage	Avg 80%

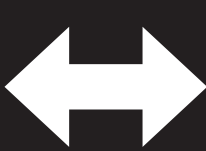
Trusted by Customers Worldwide



+150 Countries



+400 Telecom Operators



30bn Transactions per second

11tn Transactions per year

