

HTTP/2 Interworking Function

Highly Flexible Protocol Support for Legacy 3G MAP/CAMEL, 4G / LTE Diameter, 5G Nchf, HTTP/2 Protocols and More

As networks become more complex, operators are faced with difficult trade-offs, weighing the replacement of existing network components against the revenue potential of 5G.

The 5G SVI-IWF Interworking Function provides networks with comprehensive forward and backwards compatibility. Operators can reduce 5G deployment costs by extending the life of existing infrastructure.

The agile 5G-IWF supports 5G HTTP/2, legacy 4G LTE Diameter, and 3G MAP/CAMEL protocols, and more, as network slicing, private networks, MIMO, and other 5G functions create ever more diverse networks for signalling data to traverse.

Features

- Better multi-gen roaming
- Infrastructure life extension
- Onboard firewall
- Carrier-grade flexibility
- Wifi offload
- Open API's

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-IWF



Enhance multi-generation 5G, 4G, 3G, 2G Network Functions

The SVI-IWF Interworking Function enables HTTP/2, Diameter, LTE and SS7 network interconnections to implement new revenue streams and extend network functionality and lifespan.

squire technologies

SVI-IWF 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

IWF Interface Support

N5, N7, N8, N12, N15, N16, N20, N21,
N23, N24, N28, N30, N31, N32, N36,
N40, N41, Rx (IMS)

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

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

IWF Specs

3GPP TS 23.501
3GPP TS 29.573
3GPP TS 33.501
3GPP TS 33.517 SCAS/SEPP
IETF RFC 6749

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

